

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
AND DIAGNOSIS OF COLON CANCER

```
<140> US
<141> 2001-07-31
```

<170> FastSEQ for Windows Version 4.0

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<220>  
<221> misc_feature  
<222> 544, 560, 627, 635  
<223> n = A,T,C or G
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<210> 2
<211> 373
<212> DNA
<213> Homo sapiens
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<400> 2
ctgtcccatg gggtccttat tgtaatctag accatcttgt tctagatggg cacttaagcc 60
ctgtttcttc atagtctggt atgctgtcat ttggacctgg atgcttcctg tttcttcacg 120
```

```
<210> 3
<211> 642
<212> DNA
<213> Homo sapiens
```

<400> 3						
gtgctgtgtg	taagtggaga	acttgggggat	agaggaggaa	gctcctcgtg	gcccttccaa	60
ggtgaggcaa	aggcatctgg	acttgttcca	gccagccca	ccgggtgaca	tcaccgggca	120
gggaggggtg	ctgggtggtg	ttcatacggg	gtaagctgct	ctgcctgtgt	gagtggtctc	180
tggggccctaa	acaggcacct	ttaggccatg	ggtcactcac	cgtgagccat	caatgtgtct	240
tgggtctgaca	tggtttctct	ctgtcttcta	gtctagacct	agtttttttg	ttctgttccc	300
cacgtatgga	tatagtagag	attgttgtct	gtgaaatttc	tcttttgtag	atttttgagtt	360
ttcccttgta	gtgtaaagaa	tgatcacttt	ctgtaacaat	aacaagacca	cttttttaaga	420
tttatcctgt	ttgttctttg	ttgattgaaa	cataataatt	gttaaaattc	tctacagcct	480
tctttttctt	ccatagctaa	tcttccttct	aatagttttt	gctttctggt	ttgctgttgt	540
nccttttgcaa	agctttcccc	tcatagcctg	tacctgttat	caatataaaa	ataatctncc	600
tgtgggaatg	cttcattgac	ntgaatttct	cctttggana	aa		642

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<210> 4
<211> 575
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 492
<223> n = A,T,C or G
```

<400> 4						
ctggaagcca	gttccagaa	gaccaaactg	catgccccaa	tgcgcaaggt	aatttattct	60
tattacttga	tgtcctaaag	cttctttgag	atttgctata	aaatttccta	tgatggtaga	120
acgcaaagt	ccaacatgaa	atTTTTTggc	aacattaggt	gaactgaatt	caaccacaat	180
cttcttctgg	ggaagtccag	agaaaagttc	actttttaat	ccatatTTtg	agccatcttc	240
aattacttgt	tgtagcactg	tctttgttaa	gagctctctg	tttattTTtg	aatttacagt	300
cttttgacca	gtactgattt	cactcaccac	tgtatcacat	cttagcttct	ctgtagtctt	360
cttggcttga	acttgaatat	ctggtcttga	atggtcattg	tctttttcca	ataaagaatc	420
ccagacaagc	tgaaaaatcag	ctacttcttc	tttttgggaa	attggaactg	cagatattga	480
tgtgatcaag	tnttctgggtg	gaagattcaa	cactctggaa	agctggcaag	caatagcgcg	540
gcgaaagccg	cacgccatgt	ccacctctac	gggaa			575

<210>	5
<211>	558
<212>	DNA

<213> Homo sapiens

<400> 5

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caagaaaaag cggatggtgg ttctgctgc cctcaaggtc gtgcgtctga agcctacaag 60
aaagtttgcc tatctggggc gcctggctca cgaggttggc tggaagtacc aggcagtgc 120
agccaccctg gaggagaaga ggaaagagaa agccaagatc cactaccgga agaagaaaca 180
gctcatgagg ctacggaaac aggccgagaa gaacgtggag aagaaaattg acaaatacac 240
agaggtcctc aagaccacg gactcctggt ctgagcccaa taaagactgt taattcctca 300
tgcgttgcc tgccttcctc cattgttgcc ctggaatgta cgggaccag gggcagcagc 360
agtccaggtg ccacaggcag ccctgggaca taggaagctt gggagcaagg aaagggcttt 420
agtcactgcc tcccgaagtt gcttgaaagc actcggagaa ttgtgcaggt gtcatttatc 480
tatgaccaa taggaaagag caaccagtta ctatgagtga aaggagacca gaagactgat 540
tgggagggcc ctatcttg                                     558

```

<210> 6

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 24, 301, 306, 375, 430

<223> n = A,T,C or G

<400> 6

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cctggcaggg aatgcaattc tcanagaaga caaagaccgg caaaagatgt atgccaccat 60
ctatgagctg aaagaagaca agagctacaa tgcacctcc gtcctgttta ggaaaaagaa 120
gtgtgactac tggatcagga cttttgttcc aggttgccag cccggcgagt tcacgtctgg 180
caacattaag agttaccctg gattaacgag ttacctcgtc cgagtgggtga gcaccaacta 240
caaccagcat gctatggtgt tcttcaagaa agtttctcaa aacaggaggt cttcaagatc 300
nccctntacg ggagaaccaa ggagctgact tcggaactaa aggagaactt catccgcttc 360
tccaaatatc tgggnctccc tgaaaaccac atcgtcttcc ctgtcccaat cgaccagtgt 420
atcgaccggn tgagtgcaca ggtgccggca g                                     451

```

<210> 7

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 293, 469

<223> n = A,T,C or G

<400> 7

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gcatatttaa tgcacacatt tgaatgttac acataaataa ttttaacgat ggagtccaag 60
ttctggattt tacattagat ctgcataatat aagacacttg tggtaaatt tcaagattgg 120
taaagccagt ttcaagctgc ttatatattg agtacagggt tcactattac aaatgtatga 180
tgttaaaacta acaaactcat gaccttcaaa gatgtcttcg tcccacgcac acacatttgt 240
aatttgtgtc catttgctat ttcccttctt ctataatctt caaattatat agntatgcat 300
tgagttccct atgcatctca cccatctcct ttatctcagc cttctcatac tttgccattc 360
tcttctttct ggaaataacc agcacaacaa ttccagcaac aactgctatc accacaacca 420
caataacagg caataacacc agctttttaga ccctgcattg agaattcang tgctttttca 480
tcaacataat aaattaaagt ttgaccagga tccagatcca gttgttcccc atttactgtc 540

```

aggtccattt tctta

555

<210> 8

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 51, 76, 96, 118, 124, 163, 172

<223> n = A,T,C or G

<400> 8

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gtggagcagc tctgtacga aagccctgag cggtaactccc gctcagtgt nctcatcacc 60
cagcacctca gctgntgga gcaggctgac cacatnctct ttctggaagg aggcgctntc 120
cggnaagggg gaaccaccca gcagctcatg gaaaaaaagg ggngctactg gnccatgggtg 180
caggctcctg cagatgctcc aaaatgaaag ccttctcaga cctgcgcact ccattccct 240
cccttttctt ctctctgttg tggagaacca cagagta 277
```

<210> 9

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 431, 446, 464

<223> n = A,T,C or G

<400> 9

```
cctgcatgga ttccatgttc atgagtttg agataatata gcaggctgta ccagtgcagg 60
tctcacttt aatcctctat ccagaaaaca cgggtgggcca aaggatgaag agaggcatgt 120
tggagacttg ggcaatgtga ctgctgacaa agatgggttg gccgatgtgt ctattgaaga 180
ttctgtgatc tcaactctcag gagaccattg catcattggc cgcacactgg tgggccatga 240
aaaagcagat gacttgggca aagggtgaaa tgaagaaagt acaaagacag gaaacgctgg 300
aagtcgtttg gcttgtgggtg taattgggat ccgcccaata aacattccct tggatgtagt 360
ctgaggcccc ttaactcatc tggtatcctg ctagctgtag aaatgtatcc tgataaacat 420
taaacacttg naatcttaaa agtgggnattg tgtgactttt tcanaagttg cttt 474
```

<210> 10

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 499

<223> n = A,T,C or G

<400> 10

```
cctataccat tcaaggacag tatgccattc cacagccaga tttgaccaag ctgcaccagt 60
tggcaatgca acagtctcat ttcccatga cgcattggcaa caccggattc agtggcattg 120
aatccagctc tccagagggtg aaaggctatt gggcaggttt ggatgcatct gctcagacta 180
cttctcatga actcaccatt ccaaacgatt tgattggctg cataatcggg cgtcaaggcg 240
```

```

ccaaaatcaa tgagatccgt cagatgtctg gggcgcagat caaaattgcg aaccagtg 300
aaggatctac tgataggcag gttaccatca ctggatctgc tgccagcatt agcctggctc 360
aatatctaata caatgtcagg ctttctctcg agacgggtgg catggggagc agctagaaca 420
atgcagattc atccataatc ctttctctgct gttcaccacc acccatggat ccatctgtgt 480
aagtttctga acagtcagnc gattccaggt ttt 513

```

```

<210> 11
<211> 606
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 365, 433, 507, 549, 591
<223> n = A,T,C or G

```

```

<400> 11
ctgtctccca cccttgctgt gttgagtctg cgagcctggg atatgctaac tcgggggtga 60
tacaacctgg aagaagaatg tgaggctctc ctggaaagat gcaaaaacca tctcagatcc 120
aaggggccaa gatcacaagg tcctgctgct acctgagggg tctgaagctt tgagggcagg 180
ggctgggggag tcacaatcct gtgaggcagg gagagggaag agtcacaaac ccaactcagc 240
gctattcttt agccctaggc gctttcactc ctcagtgcc tagaagtcac cagtaggtgt 300
caactgggca gacaagggac aggaagacag ggatggccca gggcttttta cccgttttgt 360
tttangcccg tttctccatt aagggatgca gaggcagggg tggagtgagt gaatgaatga 420
gtcacatctc canaacagca ggaaggaaca gcctctgctg gcaatgacag ttccccagat 480
gagatccctg gggctctgaa agggaanggc aagattcccc cccccaaatg ccccggtt 540
agggggcana tctgaaggga attcacaag gggcagccac agggagtgtc ntaccttcgg 600
gccggc 606

```

```

<210> 12
<211> 549
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 34
<223> n = A,T,C or G

```

```

<400> 12
aaaaaagaaa aagtgtttat tataggcaac aacnccaatg ggaactggta tttgtctaca 60
ccaagggagt gcaatttttc atcttccaat ggcggcctca accttgaggc gaatccactg 120
gcgaaagatg ctttcttagg aagcagagct ccctgactgg gctaagatag ttcagattga 180
tcttaggtca atggtaagac ctatgtagtt catgaagtct tggcttttcg gcgctgggtc 240
gccccaaagca gaatggagac ggatagagtg gtggctccca gaatcccgaa gaacataagc 300
agtgagaacg agccctggcg catacacttg tatccatgga aaccatcagc acaaacacac 360
tgcaaaagac ctggaccatc aggtacacaa gatccattct caggacacat ttctgggtcc 420
ccagtgttat tgcaaagggt cttttgcct tgacagattt ggttgtctat ataagagggt 480
atagtattcc agcattaatt cctccaggac agttgacatg ttgtggcagt atcagagtct 540
ggagctgag 549

```

```

<210> 13
<211> 723
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> 594, 603, 620, 665, 708

<223> n = A,T,C or G

<400> 13

```
ctgggagcct ttgccatggt acttaggtag ggtgtgtgcc cccagattta accattccat 60
aatcatgtta gagttacttc tataaagtga acagatttta ttaatcacgg cttttggtga 120
atttgtttaa ggtaattat ggtagcaaat tttgggccta aacattatth ttctgtatcc 180
cgctgtaatt cccaaaactc tcattattct ctaactatta cacatgggca tattctgatg 240
tttctcatcc tttgccagaa gactaccta catccatcgt aattgttctc taggaaaaga 300
gaactttttt caaaattcaa aatacttctt aaggatggca cagtaccata taactggagt 360
aataaaacat gagcttacat tcttacaata actaaaccac ttaaaatgat caaggcacta 420
atgttttggt ctgaaaagct gtgtacttta tagacatttt cagacatttt tggaaatttc 480
cattaaaggt ggaaaatcta tttttttcct cttttgcagt gtcttagttt gaatgaaaca 540
cttcgaagtt ctagaaattc tagaaagagc cttaatgtat ttgatgtatt ctgngataaa 600
gangtactaa tagtatccan cacagatttg cttttctttg ctagcacaat gtgggtgttg 660
tgcanaatat tctttttata ttctgtggaa aaaataaagg aaattcanaa tggttacctg 720
ccc 723
```

<210> 14

<211> 637

<212> DNA

<213> Homo sapiens

<400> 14

```
aaaatgtttt atttcatagc tcataaaaaa gtatgtatgt acaagactca agtaaataga 60
aaggcagctt tcaatcacia atcagttttt cagattttac tgtggaagca tatttaaatgc 120
acacatttga atgttacaca taaataattt taacgatgga gtccaagttc tggattttac 180
attagatctg catatataag acacttgttg tcaaatttca agattggtaa agccagtttc 240
aagctgctta tattttgagt acaggtttca ctattacaaa tatatgatgt taaactaaca 300
aactcatgac cttcaaagat gtcttcgtcc cagcacaca catttgtaat ttgtgtccat 360
ttgctatttc cttcttcta taatcttcaa attatatagt tatgcattga gttccctatg 420
catctacccc atctccttta tctcagcctt ctcatacttt gccattctct tctttctgga 480
aataaccagc acaacaattc cagcaacaac tgetatcacc acaaccacia taacagcaat 540
aacaccggct tttagaccct gcattgagaa ttcagggtgt ttttcatcaa cataataaat 600
taaagtttga ccaggatcca gatccagttg tccccat 637
```

<210> 15

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 33, 39

<223> n = A,T,C or G

<400> 15

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ggtactctca gtgtgttctg gtcactttgt ggnttagtng tagaagcagg tgtgtctctt 60
gcctctgctt gcctcctact gcacactcag caccacaggac tggaatcacc gactactgaa 120
tctcctacat gtattgtgc tacttcaagc tctccactt gaaaccttat gatthttcca 180
```

```

aggggagatg ggacagtgtc atctaaatat tccgaatgtt tggccttctg agaaaagagc 240
ttctagtaat tgaaccatgg gaaacccagc ttctggaggg ttggccgtgg ggctgtgtac 300
atgtgtgtgc ccaggggtga gtgtttctca ggattcctaa cgattcaaat taccgttgag 360
tatatataaa gaatgagtct ctgtatggaa gaacaaatgt gtgcattcac cccagtcac 420
aatggtctcc attgcatttc aaaggagagg atcagactat ctgaatataa acacaatctg 480
atgttaattt attctaagaa caccatcatt ttgattgtcc taaagaattc tgcctttgtg 540
aataccgtgt taaatttttt t                                     561

```

```

<210> 16
<211> 592
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40
<223> n = A,T,C or G

```

```

<400> 16
aaatattcta gtgctttcat caggacgctt gtattggggn caaaaaacct cagggttaagc 60
cactttaaga taagatccag gcaaccaata actccttctt ttccactctc caagtgtatca 120
accataacag caagggtctt gttatgatgc tgaaagtcta agtgaaacat ctcatcttgt 180
aaccatttag ccacacagct agacatttga gtcttttagtt gctcaatgta ttcatcccgt 240
ggggtagtaa aattccactt tagcaccttc aatccttttt catctttcat cctttgctct 300
tttccatttg gaacaacaat aaaaataggc ccggatttgt cttcatcctc ctttaagctg 360
gttttgcttg gcatcttctt ccttgtgca ctctttgctt tagaggataa tcctggagct 420
ttggcctttt ttggatcagg tttgggttct gtactgctgg aaatacaatc ttcagcaggt 480
gctgatgcag gctggaattt ggctggagcg gaccctccca ttggtttaga agttgcttta 540
gtgggtggag caggcttggc tggcatgtta actttggctt tctctagcat gg          592

```

```

<210> 17
<211> 459
<212> DNA
<213> Homo sapiens

```

```

<400> 17
attgtcctag gtgagaggat ccattcccaa aacggactgg ggcaaaaact gagaagtagg 60
tagatccttg atggtctgta ttgccccgga tctctttagg tctcgcaggc tgtctatggc 120
ttgctctggt gatatttgtt cagataggta tagtaggaga caagcagcta caagacaaga 180
tctcccaagt cctccatagc agtgtattaa gggttttcgg taatttttaa ggcaggttgt 240
aagctcttcc attatttcac agcagctggc tatgtcagga gtccctccat ctgcgattgg 300
atgatgatgg gtgataattc cacattgctg gtagagatcc agaaggtttg ggactctata 360
ttttgacagt tcccctctgg tgcagaaaac aaatatgtct tgtataccac agctcttttag 420
ttcttctgta tctttttgga catcttctct aacatcttt                                     459

```

```

<210> 18
<211> 104
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 54, 74, 88, 94
<223> n = A,T,C or G

```

```
<210> 19
<211> 501
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 430  
<223> n = A,T,C or G
```

```
<210> 20
<211> 362
<212> DNA
<213> Homo sapiens
```

<400>	20						
ccagttttgtg	cagttccagt	agtgactgat	tcacatthttt	ttccaaatgt	aatgcacact	60	
ccattgcatt	cagcccgtc	tcccagtcac	cacagtcctgg	ttctcttgata	tcctgaagga	120	
agattcggcc	acctcgcttg	ttctgcagct	tcacagcttt	ctcagcatgt	tcctctctct	180	
catgagattg	gtgaagaaag	tattttggcaa	agttcttcaa	agccacatca	tcgcgggtcaa	240	
agtagtaaga	catgggcagg	taaacgtagg	aggcgtagag	ctccagggtg	atctggcggt	300	
tgatggcggc	ctctgagtc	tggtggtagt	tctggcgcac	ctgcgagggtg	gacgcgggtcg	360	
tc						362	

```
<210> 21
<211> 463
<212> DNA
<213> Homo sapiens
```

<400> 21						
ctgatctacg	agtctgccat	cacctgtgag	tacctggatg	aagcataccc	agggagaagaag	60
ctgttgccgg	atgaccccta	tgagaaagct	tgccagaaga	tgatcttaga	gttgttttct	120
aagggtgcca	ccttggtagg	aagctttatt	agaagccaaa	ataaagaaga	ctatgctggc	180
ctaaaagagg	aatttcgtaa	agaatttacc	aagctagagg	aggttctgac	taataagaag	240
acgaccttct	ttgggtggcaa	ttctatctct	atgattgatt	acctcatctg	gccctggttt	300
gaacggctgg	aagcaatgaa	gttaaattgag	tgtgtagacc	acactccaaa	actgaaactg	360
tggtatggcg	ccatgaagga	agatcccaca	gtctcagccc	tgcttactag	tgagaaagac	420
tggcaagqtt	tcctagagct	ctacttacag	aacagccctg	agg		463

<210> 22
 <211> 608
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 598
 <223> n = A,T,C or G

<400> 22
 cctgtcctct gggagtgacc tttattagtc cacccttgg agctagacat cctgtactta 60
 gtcacgggga tgggtggaaga gggagaagag gaagggtgaa gggaagggt ctttgctagt 120
 atctccatat ctagacgatg gtttttagatg ataaccacag gtctacaaga gcgttttttag 180
 taaagtgcct gtgttcattg tggacaaagt tattattttg caacatctaa gctttacaaa 240
 tggggtgaca acttatgata aaaactagag ctagtgaatt agcctatttg taaatacctt 300
 tgttataaatt gataggatac atcttggaca tgggaattgtt aagccacctc tgagcagtgt 360
 atgtcaggac ttgttcatta gggtggcagc agaggggcag aaggaattat acaggtagag 420
 atgtatgcag atgtgtccat atatgtccat atttacattt tgatagccat tgatgtatgc 480
 atctcttggc tgtactataa gaacacatta attcaatgga aatacacttt gctaataattt 540
 taatggtata gatctgctaa tgaattctct taaaaacata ctgtattctg tgctgtgngt 600
 ttcatttt 608

<210> 23
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 638, 663
 <223> n = A,T,C or G

<400> 23
 aaaagaacat gaggtcaaaa atcagagctc gaaaatctac tgcttcatag ctgtgtgacc 60
 acaggcaaatt tctttttgcc tcagtttttt cctcctaata atgaagaata tcttatttgc 120
 tttggagggc tataagacat gatgagatat aataaacata aggcactgag atacatcata 180
 gacacttaatt tgttggttagc tattatatta cttatcttag ggttttcctt catggtattt 240
 tgttggaatt gataaaaaaa taaaacaaat atgtaagggc ttgtaaaacc caagattcag 300
 tatacctact gcttctagct ttaattctag gctctgccat agttaggatg tttactcatc 360
 tgtagttcaa aactcacaca gctcaagact gacacagctc acaattcaga agtcatgtag 420
 gcacctcaca gctcgttcc ttgcccagtc tccaaaactca ctccttcctt gactgtgttt 480
 ctaataactca ggctagagga cagcaggetc tagccttctc attatgtata taatgagaat 540
 actgtatttc atttaggcca gaggaagta gacacatata atctgagaat aatttattcc 600
 taggctatag gaatctacca tgagcttatt caatggangg acttgaggaa aagcacaccc 660
 acnaaaatca atgcattacc ttaactttta taagcttctg cggattcttc tcctaccccg 720
 gt 722

<210> 24
 <211> 556
 <212> DNA
 <213> Homo sapiens

$\langle 223 \rangle \quad n = A, T, C \text{ or } G$

aaaaagcctc	ttcctgatga	tcccaactca	gaggtcngtg	tttaccaaac	accttggtca	60
taataatgtc	attagtttct	ccatttttat	tttctgaact	gtacattcac	aacttatgtt	120
tctttgagat	taatagatat	tgggggaaaa	acgccttttt	aggaaaatta	tagtgaaaat	180
ttgacagttg	attggcataa	tttcttgttt	gaatgctgcc	tccattatat	aggtccttcc	240
aggaaactcaa	acactgtaag	tgaaatatgg	gagtatagtt	tttattattt	cttcttttcc	300
ttttgttttc	ataatataat	gcagtttggt	caggaaatca	gcacaaagcc	tgatagtact	360
ttactaaaat	gactgcattc	tttggtattc	ttcagtctat	ggttcaagtc	actaaagatt	420
catttttgtt	gagtccttat	gagaaacagt	agtatgaatc	ttgacggttt	ctgcccgctc	480
taatggcaga	gctctctgac	ttgggtgtat	gctgccaggc	tgggtacttt	catactttgt	540
tttcttgttt	tgcttt					556

<213> Homo sapiens

<223> n = A, T, C or G

aagattctct	ccactcttca	agcctcgacc	accagatacc	accactttgg	cacctgttag	60
ctctggtcga	tcactttttg	ttaattttctg	gtcaagccac	tctgatattt	ccactggtga	120
agtacttgat	gcctttttctg	aactggcact	accgccactt	gttgctgcag	catcaaagga	180
tgttccacgg	acagaaaaca	ctttcacttt	ctcatcacac	ttcactgtac	atagagcatt	240
tctgcataa	atagttctca	caaatgtgtc	aggtgacttg	attgcaatga	tgtcagaaat	300
nggggcaacc	tcaagtttgg	ctgctactct	gggcaaaagg	ttctttccga	aggcagatgc	360
tccagcacag	atgtgtgtgt	aattgaactg	cttctgagtt	gccaaaatca	atggtgtcag	420
ttctcttgga	agtaag					436

<213> Homo sapiens

<223> n = A, T, C or G

ctgtaaggaa	cttcaccggg	atgaaattga	caccgactnt	gcctacattc	ttttctatga	60
gcagcagggg	atagactatg	cacaattttct	gccaaagact	gatggcaaaa	agatggcaga	120
cacaagcagt	atggatgaag	actttgagtc	tgattacaaa	aagtactgtg	tgttacagta	180
aagcttaccac	tctggtctgt	agacagcttg	gcggtgaggg	agatgactcc	ttgtagctga	240
cattttggcaa	aagcgcctcct	gaaaggcgaag	ctaaatgtag	ttattttatc	ctgtggccct	300
gaagcacaaaa	ataaaaaattc	taattaaaaat	cttaactctt	aagaagtaqta	atcattttat	360

$\langle 210 \rangle$	32
$\langle 211 \rangle$	648

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 434, 604, 622
<223> n = A,T,C or G

<400> 32
tggcagccaa aagatttttc ttagtgcttt ggagacattg cataggtgta aaattaagat 60
accagaactt cattctgttc ttgttgaagc tgttggtgtg gtgattcatg agcagtaagc 120
tggagttaga gtggaagaag ggtttaccaa aattcttcct acagactagt tgcttacagg 180
gtttctttga gaggttaaaa aatttcaaaa gtattattta agccactcta accctgcatg 240
aaaaattgga gttagaaata ctgatttctg agaccacgta taccagtga aattagcttc 300
tgagtaaatt tctaatttat gccctgcctt atttagcctc gctatatgta acacatggat 360
tattttttcc ctctagtttt taactatata ctagattaaa accagcatat gctaagaatg 420
tttttacatt ctgnttcctc ctgtgatctt tctgaaccaa taataaacag tcaactgtga 480
tgcttttttag tatgaacaat gataagtttt ctaaaatctg aaaatcaata cctgagtatg 540
tgatgcgggc aatgcattct tctagataag cactaaacca aagtatggac cctccattta 600
ttgnctttta gatttacccc cncgcgggcg ggccgcttag gggccgaa 648

<210> 33
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39
<223> n = A,T,C or G

<400> 33
aaacatgagt agatctatga cttctcaaag ccgggtcang aatgtccata aaatgctagg 60
cattcctatt tccaatatatt tgatgggttg aaattatgct tcagatttgg aactggaccc 120
catgaaggat attctcatcc tctctgcact gaggcagatg ctgcgggctg cagatgattt 180
tttagaagat ttgcctcttg aggaaactgg tgcaattgag agagcgttac agccctgcat 240
ttgagataag ttgccttgat tctgacattt ggcccagcct gtactgggtg gccgcaatga 300
gagtcaatct ctattgacag cctgcttcag attttgcttt tgttcgtttt gccttctgtc 360
cttgaacag tcatatctca agttcaaagg ccaaaacctg agaagcgggt ggctaaaaaa 420
agggcctact gcaaaccacc cctccatatt tccgtacat ttacaattca gtttctgtga 480
catcttttt 489

<210> 34
<211> 501
<212> DNA
<213> Homo sapiens

<400> 34
ccagagtatt cacagagagc caaatctgtc actggcaaac cgcctttact acctctaacc 60
tgcagaagac gatgcagccg cttttctttt tgaaatgact ttgggatttt ttttaagcttt 120
tatttacttt ttttttaact gttatctttc tggatgaaac ttgggaaggg gattaggaga 180
tctagcattt tatttctagc attgctatcc accggttcc ttattttata tgtaaaaatt 240
aagattttat attttatctt cttgtttctc atagatatat tgtgagcatt tttttgttta 300
ttttgaagaa atgtggataa gatacttggg agtataaaac agactctctg agagtatttg 360

```

aaatgtgttt ggagatttac ttaaactgtac tttcaggagt gagcaagtcc tacttataaa 420
cctatatataa ctttattttt gagataacctg ttttgaattt acctgccccg ggcgggccggc 480
taagggcgaa atctgcagaa t                                     501

```

```

<210> 35
<211> 558
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 477, 529, 543
<223> n = A,T,C or G

```

```

<400> 35
ttgaatgaat taatgatggc ttctgagtca actttactgg ctcaggaacc acgagagatg 60
actgcagatg taatcgagct taaagggaata ttcctcatca acttagaagg tggatgata 120
cgtgaagagt ctctctataa agtaattgtc atgccgacta cgaaagaaaa atgcccccg 180
tggtggaagt atacagcgga gtcttcagat acactgtgtc ctcgatgtgc agaagttgtc 240
agtggaaaat agtattaaca gctcactcga gcaagaaccc tcctgacagt actggctaga 300
agtttgatg gattatttac aatataggaa agaaagccaa gatttaggta atgagtggat 360
gagtaaattg tggaggatgg gagtcaaaat cagaattata gaagaagtat ttcctgtaac 420
tatagaaaga attatgtata tatacatgca gaaatatata tgtgtgtgtg tatctgngga 480
tgatataatg tatatctctt cctatatata tccatagtgg acttattcng aacatagata 540
tgnattcagg cttgtctt                                     558

```

```

<210> 36
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 416, 445, 467
<223> n = A,T,C or G

```

```

<400> 36
aaagaataaa catttaatgt gagtaacatt ttggttaaaa taaatatcat agtaaattgt 60
aacagcaaca cctgaagtat atggatacaa gaaaggtgtt ttgtaataga tactatgttg 120
aatggtaaaag cattcatgaa atggctgtaa tatcttacta aatttacaat cattgcacat 180
tggtgagcac tttattttata tagagatacc ctccatccac cattcctaaa ccttaccata 240
caaaacaaag ttactccata ttttcacctg ggtaactggt accaatgtct aaataagggt 300
tagaatagat atagctttca ttttactgct cctcaaatca attcaaaaagt ttaacttaat 360
caatataaaa tttacttatg aacacatata aagaacattt tatagggtgac tatatnaatt 420
acgagcttca aatcatcttc atagntcttt gaaattattc cattcanaat tagaaatttg 480
attgttacac a                                     491

```

```

<210> 37
<211> 593
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> 593

<223> n = A,T,C or G

<400> 37

```

aatcacttct tatcttctgt acttaagaac tcaagtatag aaataaactg tgggctgaag 60
taacatttga acctgctccc aacatgactg cataggtgtc taaggttaag tgtgaagatt 120
actgtgagga ctcaagttac ttgactaatc aatcccatit gaatttcaat ccaagcagcg 180
tattttacac acacctgaag gaaatatctt cagtgtgttc atgtgtgtgt ctatgtgcat 240
gtatgtgtag gggataggtg taattaggga agggctgacc gaacaacatt gataagtaca 300
tgctagaagt ctgctgttgt tggtaacaca gaaacataca cagtcttcat attcaaagtc 360
ttcacgggga tgtcttctgt aatttccgcg gtttgggtct cattcagaaa cagcttttagc 420
ttcctgctcc gaaggccaaa caccttggct gcttcataca gaagaccttg gtgggtgagt 480
ccattctgcc caagtgggtt ttcaagcagg agagtgccca ctgtcccat taaacactct 540
tgtggctctg cattcaggag ctgtagggtg gaccttttaa agctgaagag tgn 593

```

<210> 38

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 617, 636

<223> n = A,T,C or G

<400> 38

```

ccagtatcgt tttggacttt ttgtacctct atctgactcc atgccctgc aagtgtaaaa 60
ccaagagaca gaaaaatatg ctacacaaaa gcaatgccca ttcacgatt ctgagtcctg 120
gccctgctag tgatgcctcc gctgatgaac ggaaggcagg tgcaggtaaa agagtgggtg 180
ttttggaacc cctgaaggat gctgcagcag ggcagaacgg gaaagtcagg ctctttccca 240
gcgaggcagt gatagctgag ggcacccctaa agtccacgag ggggaaatct gactcagatt 300
cagtcaattc agtgttttct gacacacctt ttgtggcgct cacttaattt gtgcctatat 360
ttgtatgatg tcataattta atctgttcat atttaacttt gtgtgtgggc tgcaaaataa 420
acagcaggac agaaattgtg ttgttttggc ctttgaaata caaccaaatt ctcttaaaat 480
gattggtagg aaatgaggta aagtacttca gttcctcaat gagccagaga aagatggggg 540
tgttttccaa agtttaagtt ctagatcaca atatcttagc ttttagcact attggtaatt 600
tcagagtagg cccaaangtg atatgactcc cattgncccc tttattttta 649

```

<210> 39

<211> 312

<212> DNA

<213> Homo sapiens

<400> 39

```

ctgaagaaaa agcagtcacg gatttttaagt ccaatgggca catttatgac aatcggatag 60
ttctgaatgg catcgacctc aaagcatttc ttgatagtct accagatgtg aaaattgtca 120
agatgaagtg tctgatgga ggagacaatg cagatagcag taacacagct cttaatatgc 180
ctgttattcc tatgaatact attgcagaag cagttattga aatgattaac cgaggacaga 240
ttcaaataac aattaatgga ttcagtatta gcaatggact ggcaactact cagatcaaca 300
ataaggctgc aa 312

```

<210> 40

<211> 386

<212> DNA

<223> n = A, T, C or G

<400> 43
 aaaaagcctc ttctgatga tcccaactca gaattcactg tttaccaaac accttggtca 60
 taataatgtc attagtttct ccatttttat tttctgaact gtacattcac aacttatgtt 120
 tctttgagat taatagatat tgggagaaaa acgccttttt aggaaaatta tagtgaaaat 180
 ttgacagttg attggcataa tttcttggtt gaatgctgcc tccattatat aggtccttcc 240
 aagaactcaa acactgtaag tgaaatatgg gagtatagtt tttattattt cttcttttcc 300
 ttingntttc ataataataat gcaggntgnt caggaaatca gcacaaagcc tgatagnact 360
 ttactaaaan gactgcattc tttggattcc ttcaagtcta tggttcaagt cactaaagat 420
 tcatttttgt tgantnctta ttgagaaaca acaagt 456

<210> 44
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 44
 ccaagagcta caatgagcag cgcacagac agaacgtgca ggtttttgag ttccagttga 60
 ctgcagagga catgaaagcc atagatggcc tagacagaaa tctccactat tttaacagtg 120
 atagttttgc tagccaccct aattatccat attcagatga atattaacat ggagagcttt 180
 gcctgatgtc taccagaagc cctgtgtgtg gatgggtgacg cagaggacgt ctctatgccg 240
 gtgactggac atatcacctc tacttaaatc cgtcctgttt agcgacttca gtcaactaca 300
 g 301

<210> 45
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 35, 39
 <223> n = A,T,C or G

<400> 45
 aaaaaataaa tgattatgat gtaattatta cttncagng tgttttgcaa taacttcaac 60
 ctgttaagag atacaaagaa ctatatataa ctgggaacta caataacgta cacagaaccc 120
 tcttcaaaga aattaaatat attagatggt aaaatgtggt agaaagatgc agctttccca 180
 aagtagtaaa gtactgcaca tatgggtttt gtggcagtc tgggaaatat cctaggtaga 240
 acttaatgta gaaataaaaa ggctaccaca tattttcaat ccaagtcatt tttacaagaa 300
 aaaaaaagtg acacaaaata atgcacttta agttggtagc atacacaagg ttatttttta 360
 gcctaacata gacaggccaa atcattgaaa taataaaaaat atagaaaaac ataaaagccc 420
 attaaacttct gaatttttggg aaagaaacaa gaaagagccc aaagttttca gataggcaca 480
 cataatttag attagaaatg aaaatgggct ttaagcccta taaatattgt tttccaagaa 540
 aataagtttt gaaagtgcaa aatgacaact caaaaaggtc ccctttccac ctcatgcagg 600
 caaaggacat ttaaaagcac atccaactaa atcaaaaaag gggaggatta ggaaatcaca 660
 ctagttcatc cttcattatc agggctgggc ttcaaaccct tgaatg 706

<210> 46
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 46

```

atttattttct attaaaaatat agaagttatt gcaaaaccct aactgtaaaa acgcaccaat 60
ataatcggac tttgcataca gtagctaaga gaatccaaac atttcagtga gacagtgaat 120
ttgcctggta gaacgctgac aaattcccat ccacttgccc tcttgaaaat aaaaacaaaa 180
ttcaaaacaa atcatacagc tagaattttg atatctgaaa tattttt 227

```

```

<210> 47
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<400> 47
gtctccacgc tgtgcggaga gggctctagc ccctcagtcg gacttctcct tctccttcat 60
gtgcaagaag acgatgctga agatgaagag ccccagcatc atggagaagg cgctggcgta 120
gtaggggtag gccgagggga tgaagcgctc atactgcgtg tgctggagtg gccgcacgga 180
tacctgagtg gaagagtaca ggtgtgtgta gcctagccgg ttgtaatcca ctttaaactg 240
gaatacacca tacacgtcgg gcaacttgaa ctgaacactg tatttgccac ctttcttctt 300
caggaaggtc ctcacaaaag gatcaatgcg gacaaactcc ag 342

```

```

<210> 48
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17, 26, 38, 52, 98, 120, 125, 149, 160, 163, 182
<223> n = A,T,C or G

```

```

<400> 48
ggataatatt catttancct tctgancttt ctgggcanac ttggtgacct tnccagctcc 60
atcagccttc ttgtccactg ctttgatgac acccacnca actgtctgtc tcatatcaen 120
aacancacct ccgccgcaac cacactaang gcgaattctn canatatcca tcacactggc 180
gnccctcca ccatgcatct aga 203

```

```

<210> 49
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 3, 9, 33, 36, 42
<223> n = A,T,C or G

```

```

<400> 49
ttngccggna gtacttgaga tccacagtca cgngancttt gncggtctct ttacatctgc 60
ccacttcatt ttcatctctt ccttcccaca caatggtttt tccaatgtgc aagaatgatt 120
tctcgacaaa ttcccggaac ctatggacct cccagtagc tataacgaag tcctccggct 180
catcattctg caacatcaac cacatagcct ccacatagtc cttggcatgg cccaatctc 240
gtttggcatc cagatttccc aaactgaaac attccagttg tccaaggtaa atcttagcta 300
ctgaccggct aatttttoga gtaacgaaat tagctcctct tctgggactc tcatgattga 360
agagaat 367

```

```

<210> 50

```


<211> 685
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2
 <223> n = A,T,C or G

<400> 50
 tnacacattt gtgagaacta tttatgcagg aaatgctcta tgtacagtga agtgtgatga 60
 gaaagtgaag gtgttttctg tccgtggaac atcctttgat gctgcagcaa caagtggcgg 120
 tagtgccagt tcagaaaagg catcaagtae ttcaccagtg gaaatatcag agtggcttga 180
 ccagaaatta acaaaaagtg atcgaccaga gctaacaggt gccaaagtgg tggatatctg 240
 tggtcgaggg ttgaagagtg gagagaactt taagttgtta tatgacttgg cagatcaact 300
 acatgctgca gttggtgctt cccgtgctgc tgttgatgct ggctttgttc ccaatgacat 360
 gcaagttgga cagacgggaa aaatagtagc accagaactt tatattgctg ttggaatatc 420
 tggagccatc caacatttag ctgggatgaa agacagcaag acaattgtgg caattaataa 480
 agaccagaaa gctccaattt tccaagtggc agattatgga atagttgcag atttatttaa 540
 ggtagctcct gaaatgactg agatattgaa gaaaaaatga atcaggatca tgccttaaaa 600
 agaaaaacttt tgttaaaagt attccacttg aaatcacaga tatttgtggg tattataaacc 660
 aatcattgga aaagcatgga gagct 685

<210> 51
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 51
 ntttgtccgg caccctgccc acaggctgag ctacagccca ggccctttca ggcattctaga 60
 cactcccata gcctgtcggg ctggggcaag gagatcccag gtcacacata ctctttggaa 120
 gagttggact tagggtaaga gcggggtgca cggtaaccag ccttgctctc attcccagga 180
 caggaacagg agagcagtgac acctcccagg atgactaggg cagaccctgc ccagccaata 240
 aagatggcag ggccaaaactc atacttaatg ttggtaggga tcaaaggggt ataaaagtct 300
 gtgacaatct gatgg 315

<210> 52
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35
 <223> n = A,T,C or G

<400> 52
 tgcattcaca gacttcaact acatgattac ttctntgccc attcttctct ttcttttctt 60
 tcccgaataa cctctttcag atacggttca aggtagaaat ttctctcttc atatttgggtc 120

```
<210> 53
<211> 407
<212> DNA
<213> Homo sapiens
```

<400>	53						
ccaagagatc	agcacaaacct	ttgcaggctg	acttgntaag	netgacagtg	acaaacttgt	60	
gagcttactg	cagtcagtca	cagaggctgt	tctttttcac	acaccccttc	atgcccggt	120	
ttccccatat	ccacatgcag	agggcgagct	cataaaacta	caggggaagcg	tgaaatgatg	180	
gctttggtag	ctgtttactg	ggtaacccca	ctgtgacact	gtccttttca	cgtgatgtgg	240	
aaacctactt	ctgtcctcca	aaccatgaaa	tgtgtcatct	agactgcaga	gtacttgagt	300	
gctttgcctc	cogatatgcc	agagctttgt	gtccaaagcc	cattcctgtg	tgtccgtcct	360	
gccatttagc	cacagaaggc	tgcggagtga	ggcggcagct	agcctgg		407	

```
<220>  
<221> misc_feature  
<222> 2, 37, 43  
<223> n = A,T,C or G
```

```
<210> 55
<211> 473
<212> DNA
<213> Homo sapiens
```

```
<400> 55
tcttagcggc tgctgttggt tggggggcgt cccgctccta aggcaggaag atggtggccg 60
caaagaagac gaaaaagtcg ctggagtcga tcaactctag gctccaactc gttatgaaaa 120
```

```
<210> 56
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 40
<223> n = A,T,C or G
```

```
<210> 57
<211> 500
<212> DNA
<213> Homo sapiens
```

```
<210> 58
<211> 258
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 258
<223> n = A,T,C or G
```

<400> 58
ctgcctcaca ccgcccttgc tgctgccttc atagggtgtc atttggactc taagctctac 60

```

gggtgacaga tcttgtttct gaagatgggt taagttatag cttcttaaac gaaagaataa 120
aatactgcaa aatgttttta ttttggccc ttccacccat ttttaattgt gagagatttg 180
tcaccaatca tcactgggtc ctccctaaaa attaaaaagt aacttctgtg taaaaaaaaa 240
aaaaaaaaaa aaaaaaan                                     258

```

```

<210> 59
<211> 529
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 6, 495
<223> n = A,T,C or G

```

```

<400> 59
ctgtanactt gacctcaaag attccatcct caatagtgag gattgacaca tcaaaagtgc 60
cacctcccag gtcaaagatg agcacgtttc tttctgctcc aacctttttg tctaagccgt 120
aagcaatagc agcagcagtt ggctcattaa taattctaag tacattgaga ccagcaatag 180
ttccagcatc tttggtagcc tgacgctgag agtcattaaa gtaagctggc actgtgacca 240
cagcattggg aacagtcttc ccaaggtagg cttctgcaat ttccttcac tttgtcgaa 300
ccatagaaga cacctcctct ggatagaagc ttttgggtct tcccttgat tctacttgg 360
ccttgggctt gccagcatca ttcaccacca taaagggcca atgtttcata tcagactgga 420
caacagcatc atcaaactct cgtccaatca gacgtttggc atcaaaaact gtgttggtgg 480
ggttcattgc aactngattc tttgcggcat caccgatca accgttcaa 529

```

```

<210> 60
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 60
aaagtacaaa atcaaataca cagatccagc agatccagat atgtgaacca tatatacata 60
tctatacaac cattatttag actttcacia acctatctat acattctaatt ttatctatca 120
acactatccc ttaagtaaaa agcaacatat ctcttaagta gggtttgttat cagtaacact 180
atcgaatgta aattattttc acttcatcac ttgaaacggg agaaataggt acctcctaga 240
aactggagaa ttaccaagca tatatccaat ttgtatagat ttcttaaaat acattctata 300
ggaataatta accgaagaaa ctgccaatca aagtttttgg gcatatttaa caaaacttga 360
gtcatgggaa gacataaagt taattaattg cattacaaga gttttgtttt gactttgggt 420
tt                                                    422

```

```

<210> 61
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 378, 461, 463
<223> n = A,T,C or G

```

```

<400> 61
cctacagact tattttcttct tggacacacc cacgggtgagg ccacggcgagg cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgaagg agccctctat gggcccgaa 120

```

```
<210> 62
<211> 228
<212> DNA
<213> Homo sapiens
```

```
<210> 63
<211> 475
<212> DNA
<213> Homo sapiens
```

```
<210> 64
<211> 448
<212> DNA
<213> Homo sapiens
```

```
<210> 65
<211> 329
<212> DNA
<213> Homo sapiens
```

<400> 65
 aaaaatctca aatgaaaaag tcttcgatac aatattgtta agctgtatta taagtattgt 60
 tacacagggt tatgcaattc cgggcctgga gcatttttga aattcaaatt gtctgtcctg 120
 tggagcaggc agtgattttg ttccaaaact ttgtatacac atttggagaa aagtacttta 180
 tattttcagt gttttgtctg attttaaatgt ccgttcttag ccaagctgct agcagggtgtt 240
 aattggatcc ctttccttca ctgaaatgga agagtttata agcttacgtt agtattgtaa 300
 tatgtaaagt aagcccaaca aaaattttt 329

<210> 66
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 66
 aaacagattc ttggactggt ggttcataac catcagctcg ttcaacttta gcacctgtct 60
 cgtccccagt ggcttttcca gaactactgc cttcaccatg aagctccatg agctttccca 120
 attcaaactt gggcttcttc agcattttta cttttctgac gaagacatca tggagaggat 180
 aaatagattg gcaagccttt tctatgtctt ttccaatgct gtctggaatc aatttattga 240
 ccacttcttt caagtcattt gtctgcacct ctcggtcat gatttccatc atcttcttcc 300
 ggatttggtg gacctgttgg tgetgagcat aagaggtctt ccgtatctga ttgttgcgtt 360
 ttttagtaaa accaacacag aacagacgaa gcaagtaacc atcggtagtc ttgac 415

<210> 67
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 67
 atacgccagc ttggtaccgg agctcggatc cctagtaacg gccgccagtg tgctggaatt 60
 cgcccttgcc gcccgggcag gtccctgaagg aagagctggc ctacctgaag aagaaccatg 120
 aggaggaaat cagtacgctg agggggccaag tgggaggcca ggtcagtggt gaggtggatt 180
 ccgctccggg caccgatctc gccaaagatcc tgagtacat gcgaagccaa tatgaggtca 240
 tggccgagca gaaccggaag gatgctgaag cctggttcac cagccggact gaagaattga 300
 accgggaggt cgctgg 316

<210> 68
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 68
 ttctgtcca tgacagattt cacctgggtc ttcaacagag gaagggtccc cttctccagg 60
 gcctcagcca caaactgctg ctcttcagac agctctagca gggcatccag gaagtccaga 120
 atggcttttg caccgcgttc taccaagacc ccagcagcat taaaaaggct gcttaggaga 180
 ggcttgtctg ggtcctccat gtgtagctcc ccggaaatca ggacctcaga tactctttgc 240
 tctagatcct gccgaatata ctcttgccg aggcacttag cgagggagtt tagcacatct 300
 tttctcttct cctctgtcag gtcccttgagg acactctcca tgtctccaa cttctccttc 360
 atgtttctgg aatcctccga acccaaaagc tttcctgtag aggcagcaat tgagaacctg 420
 ggccaccag cccaaaaggt tttatttcta aggctctgtt atttgtctga ctgtcttctg 480
 gagaccacct ctttgtatct tcccttc 507

<210> 69
 <211> 626
 <212> DNA

<213> Homo sapiens

<400> 69

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aaatgcaaac aattcattta ccatttcttt gttttagtgc atctgcatta aggccttgaa 60
ttatttgacc caagatttta caatattaaa atctgactca aaattttaca atgttaaaac 120
aaataggtcc acaaccatac tacctactgt gtctcactga gtcagcatag agttaaaagct 180
caacacctta aggaaatggg agcagagaca tttgctaata tctaagaagt tacatatata 240
gtttttaatt aaaggatgta taataaaaca aatagcttag tggcaagaaa ttggtgctaa 300
taaacaaaag gtttttcaaa agaaattgta acatctttgg aaaactgtct ggttctaagt 360
tcccacttcc tttagttccc acggagttca tgcagataca tttcttaaga caatcttaaa 420
gtacactgtg gatggaaatg gaatgtacat ccagaactag aggtgaaaac taagacctgg 480
gtgctgatag aaaaatcttc ctgatttcag tcgtcacaca tttgtgtcct ggagtaaagg 540
ttctttggcc tctcctggcg cttgtgtatt atgaggatgg ctgtgactgc cacagtgtt 600
tctccaactg ctggacctta agctta                                     626

```

<210> 70

<211> 494

<212> DNA

<213> Homo sapiens

<400> 70

```

gttttacccct ttctaaacac tgtccttttt gaaagttttg aatatatcca cattctattg 60
aaaccttgaa actaaaaatt tagactctta tcgtcatctt aagttcttca tgctactctt 120
aacctcccaa aaagcagtat ctaagtcaca tacatgatgt cttgggcatt ttctgagcca 180
tggagaactc tgaaaggaag aatcgtgtct tttctcaagc aaatcggttt cttgatgtct 240
tttggttctc cttgcctgct cctgatgctt ggaccctttt tattgatcag agtgccttag 300
aataatggat ggtcttggat gatggataaa tagggacagg gacagttaaa ttgggagcct 360
ttcttacaac cttgatggga tttttccccc caagtttcct tctccactga aatgccacac 420
taatgcttgt tggattcatg aggtggacct gcccgggcgg ccaagggcga attctgcaga 480
tatccatcac actg                                     494

```

<210> 71

<211> 294

<212> DNA

<213> Homo sapiens

<400> 71

```

ctgcttcaag acctcagctt catgggaactt gegtctttct tctgcagctt ctaatttctt 60
ctgaatttcc tccagggaaa gatccttctt ctttggaggg gaaaggggga attctggaac 120
agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcctgagg cacgcttctc 180
cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240
tgtattctgc acaatcaact gggataagga aagtcctgct cagtccgagc cgcc 294

```

<210> 72

<211> 329

<212> DNA

<213> Homo sapiens

<400> 72

```

aaatttgacc aaaaaaaatt tattgtacaa ttaccaccca ctggatttga ctcagagagg 60
acccccagag ggtgtctcca tcttccctat ttattttcag cccttgaggg cttcattgta 120
gatcaaaagcc aaggcccccga ggaagggtgac atactcctgg aagttcacct cctggctcct 180
gttccgggtcc aagtcttcca tcagccttgc aatttcagca tcctgcagct tcgagccaat 240
ggtgagctcc ttctggatca gctccttcag ctcttcttgg ctcagggtgt gcttgtcacc 300

```

ctccctgccg gagtacttgt ggaagatgg

329

<210> 73
<211> 527
<212> DNA
<213> Homo sapiens

<400> 73
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcacagcc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cttttctgtt accccaccat ttgtcaaccc 480
ggagcctctt ttttttctt ccaagaaggc tgagttctac attgatg 527

<210> 74
<211> 221
<212> DNA
<213> Homo sapiens

<400> 74
aaaattttta ttggctagct cttgccctta tatgacttta atgtctgtga gtcattccca 60
gcttaaatta acaattgtta gtattagtct cacacataag tgccatacat tttatcctca 120
tggatgtgat gcaactgaaa gttagtgtct ctctttttt cttttttttg tcgtgcatat 180
tttatttctg tagtttctg ttagctaccc taaagtgatt t 221

<210> 75
<211> 312
<212> DNA
<213> Homo sapiens

<400> 75
cgccagcttg gtaccgagct cggatcccta gtaacggccg ccagtgtgct ggaattcgcc 60
cttgccgccc gggcaggtcc tgaaggaaga gctggcctac ctgaagaaga accatgagga 120
ggaaatcagt acgctgaggg gccaaagtggg aggccaggtc agtgtggagg tggattccgc 180
tccgggcacc gatctcgcca agatcctgag tgacatgcga agccaatatg aggtcatggc 240
cgagcagaac cggaaggatg ctgaagcctg gttcaccagc cggactgaag aattgaaccg 300
ggaggtcgct gg 312

<210> 76
<211> 334
<212> DNA
<213> Homo sapiens

<400> 76
ctggcaagag acttcctgag gcacatcagc tacgttggtc aatttagggc acggtctggt 60
tctgcagctt tgaaagggtg attctttcta ttagcacact ttacaagagg gattgtaaag 120
gattaactca gtcaccagaa acgaaacacc acttcagaaa ttcagagacc tctgatcaac 180
agaacagaca tttgggcttt aactgctaaa gcagctacct acttggggaa accatggcat 240
tctgctgcct ggacagcagg aattaagaga gatttcagag ttactggcac gaggacaaag 300
cctctcagct cgcttcacct tggcaacctt aaac 334

<210> 77
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 77
 aaaatccctc aaaaactggt tattatacaa gtgagttttg agtcacgatg ggcttatcgg 60
 taggattttct ggtagcgagc gcgggcacca gggcctccaa acttttttga ctgcagcga 120
 cgagggtcag ctaccagcag ggtagcggtca tactggatga ggatgtcttt gatctccttc 180
 ttggaagcct catccacata tttctggtaa taggccacca gggcttttga gatggactga 240
 cgatagcat aaatctgggc cactgacca ccaccttta cacggacacg gatgtctaca 300
 ccagcaaatc gtccttggc gagaagcaga actggctcca gcagcttgta ctgtagcgtg 360
 cgcggtcaa tcatctccag gggccgcccg ttcacctga tgagaccatt gccgcgtttg 420
 cagtgcgcca cag 433

<210> 78
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 78
 aaaatcttga gggattgatc tcgcctcatg acagcaagtt caatgttttt gccacctgac 60
 tgaaccactt ccaggagtg cttgatcacc agcttaattg tcagatcatc tgtttcaatg 120
 gcttcgtcag tatagttctt ctccaggaac tcgcgcactg acttggcacc ccgacctatg 180
 gcattggcct tccaggcatg gtatgtgccc gaggggtcag tctgatagag cctaggagtg 240
 ccatcaaagt cgaaacccac gatgagggca gagatgcaa acggcctgcg cccattgctc 300
 tgcgtataac gctgcttcag actggcgatg tagcgggtga tgtactccac agtgaccggg 360
 tcctccacag tcagccggtg gctctggcac tccaccggg ccctgttgat gactatcctt 420
 gcatcggcgg tgagg 435

<210> 79
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 399
 <223> n = A,T,C or G

<400> 79
 ctgtgccata agagcattag gtggtttttag ctcttatctg gggatatgaa gcaatttagc 60
 tcatctcaca gaaacaaaag caggtgctga atcatgaaaa cctcaattat ttttagcatg 120
 cctcttaatt tttctttccc ctggtttctt gtgctctgtg cttgattctt gaacaggtaa 180
 ccacttgaga ggatgccggc gatagatggg ccattggagg agtgtcagca aacatgaaaa 240
 agcaaatccg gccataacta tatagacagt ccaccgaac tggtcagcca cgtaccgta 300
 gataaatcca actattgcag aaaaaagaat aattccctga aacatctgtt cagctagctt 360
 ctggcccttg taatccatct gcgtgggcag cgagctcana tgctccagca tggctggctg 420
 aggagg 426

<210> 80
 <211> 38
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 18

<223> n = A,T,C or G

<400> 80

tttgttgccc caaatggntt ttttaccaag cctttttt

38

<210> 81

<211> 459

<212> DNA

<213> Homo sapiens

<400> 81

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ctgatatctc ctggtgctat ccccaaaactg ccactcttaa ctcttgaagt aaataaataa 60
tctttgctgg caggactatg ccaaactctcc ttaagcactc tctaatacaga catcaagtcg 120
tcccatttct tagacctttt atacctgttt ttctccttct gttattccat ttagtttttc 180
aattcataca aaaccgtatc caggccatca cctatcattc tatacgacaa atgtttcttc 240
tagcatcccc ataatatcac cccttaccac acgacctccc tccagcttaa tctctccac 300
tctaggttcc cagccgccc ctaatccgc ttgaagcagc cctgagaaac atcgcccatt 360
atctctccat accaccccc aaaaattttc gctgccccaa cacttcaaca ctattttgtt 420
ttatttgtct tattaatata agaaggcagg aatgtcagg 459
```

<210> 82

<211> 204

<212> DNA

<213> Homo sapiens

<400> 82

```
aaataccggt ttttacaccg ttctctcggt acttttttaa gctaagtcag cattgtcttc 60
cagtgttaaa ggcacccctc acctctgcat tgaacttacg tatccatgcc aaggaatgga 120
atttccatcc tgagccagtt cagtttaggtg tcaattgata ctattttaat tttttatgca 180
atctgatgag atgagctcag attt 204
```

<210> 83

<211> 411

<212> DNA

<213> Homo sapiens

<400> 83

```
ccagacgttt ggcacaagga tcttcatggt taattgcctc gtgcatttct ctttccgcaa 60
ttatactaaa tattttgggc agattggtat tgtttgggcc aagaacaatt ggatgattac 120
tttcaatcag gtcacacaga taattgaaag tctgaacagc ttcttcttta tcttcatgta 180
gtggaagcca agacaaccag tgtggaagga cctcttcaac gtttacacag tcaggcttga 240
acttcatgat tttccctact gctgagatgc agttctctgt agcattgaca ttttctttgg 300
tcttagaatc cgcagactga ataactctta ccagcagggg aagtgttct gtacaaaaag 360
ggcgataatt atctccaccg tactgtgcca tgactcccag gccatatgca g 411
```

<210> 84

<211> 356

<212> DNA

<213> Homo sapiens

<400> 84
 ctgaaccaga tcaaaaaccc cattgagaaa catggggcca acatgggtccc catcaaggat 60
 tacgagaaca agaactccaa aatgtctaaa ataaggacac acaattctga agtagaagag 120
 gacgacatgg acaaacacca gcagaaagcc cggtttgcca agcagccggc gtatacgctg 180
 gtagacagag aagagaagcc ccccaacggc acgccgacaa aacacccaaa ctggacaaac 240
 aaacaggaca acagagactt ggaaagtgcc cagagcttaa accgaatgga gtacatcgta 300
 tagcagaccg cgggcactgc cgcgcctagg tagagtctga gggctttag tttttt 356

<210> 85
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 319, 327
 <223> n = A,T,C or G

<400> 85
 ccgccatcac accctggact cctgcagggg aggacacacg gaggtggaca actgcagata 60
 cacttactcg gagtggcaca gttttactca gccccgtctt ggtgaagaat ccattagagg 120
 acacactctg attaaaaatt aaacaatgaa agaaagtgtg tctgtgtaat caagatgaaa 180
 atcacaagca tgcccaagac tatgtcctga catataacta tgaaggaaga ggatcgggtg 240
 ctgggtctgt aggttgttgc agtgaacgac aagaagaaga tgggcttgaa tttttggata 300
 atttgagagcc caaattttang aactancag aagcatgcat gaagagatga gtgtgttcta 360
 ataagtctct gaaagccagt ggctttatga cttttt 395

<210> 86
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 86
 ctgtaggaac tactgtccca gagctgaggc aaggggattt ctcaggtcat ttggagaaca 60
 agtgcttttag tagtagttta aagtagtaac tgctactgta tttagtgggg tggaattcag 120
 aagaaatttg aagaccagat catgggtggg ctgcatgtga atgaacagga atgagccgga 180
 cagcctggct gtcattgctt tottctctcc catttgagcc cttctctgcc cttacatttt 240
 tgtttctcca tctaccacca tccaccagtc tatttattaa cttagcaaga ggacaagtaa 300
 agggccctct tggcttgatt ttgcttcttt cttctgtgg aggatatact aagtgcgact 360
 ttgccctatc ctatttgga atccctaaca gaattgagtt ttctattaag gatccaaaaa 420
 gaaaaacaaa atgctaataga agccatcagt caagggtcac atgccaataa acaataaatt 480
 ttccagaaga aatgaaatcc aactagacaa ataaagtaga gottatgaaa tggttc 536

<210> 87
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 87
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240

```

ggcttgccag gaaccatata aacaatggca gcataccag acttcaagaa tttagggcca 300
tcttcagct tttaccaga acggcgatca atcttttct tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccag 454

```

```

<210> 88
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 475
<223> n = A,T,C or G

```

```

<400> 88
ccaacacctt ccgtggcttt actcagctcc agactctgat actgccacaa catgtcaact 60
gtcctggagg aattaatgcc tggaaatacta tcacctctta tatagacaac caaatctgtc 120
aagggcaaaa gaacctttgc aataaactg gggaccaga aatgtgtcct gagaatggat 180
cttgtgtacc tgatggtcca ggtcttttgc agtgtgtttg tgctgatggt ttccatggat 240
acaagtgtat gcgccagggc tcgttctcac tgcttatgtt cttcgggatt ctgggagcca 300
ccactctatc cgtctccatt ctgctttggg cgaccagcg ccgaaaagcc aagacttcat 360
gaactacata ggtcttacca ttgacctaa atcaatctga actatctcag cccagtcagg 420
gagctctgct tcttagaaag gcactcttcg ccagtggatt cgcctcaagg ttgangccgc 480
cattggaaga tgaaaaattg cactcccttg gt 512

```

```

<210> 89
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 326
<223> n = A,T,C or G

```

```

<400> 89
ccaaccttcc tgtgcccagc ctgcagacag gtggcctctg gtggttccag gatctcacgg 60
tatccgatcc catctacata ttaccactgg cagtcactgc tacaatgtgg gctgttcttg 120
agctaggtgc tgagacaggt gtgcaaagtt ctgaccttca gtggatgaga aatgtcatca 180
gaatgatgcc cctgataacc ttgcccataa ccatgcattt cccacaggca gtgtttatgt 240
actggctctc ctccaatttg ttttccctgg tccaagtatc ctgtctccgg attccagcag 300
tacgcactgt acttaaaatc cccancgtg ttgtacatga cctggacaaa ttacctccac 360
gggaaggctt cctagagagc ttcaaaaaag gctggaaaaa tgctgaaatg acgcgtcag 419

```

```

<210> 90
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 152, 189, 190, 228, 275, 298, 325, 336
<223> n = A,T,C or G

```

<210> 94

<210>	97
<211>	535
<212>	DNA

<213> Homo sapiens

<400> 97

```

aaaattattc ttttctaacc aatgaagtgt ttgtcagtat gcccctaaagc ttgctctttt 60
gtgctccctt ttgaataact ttctatccag aaaaagagat tatttgggac ttgagatttg 120
cagtataacc aacttatagc aatgatgtac tttaaggga ctacccaact atgttgtgat 180
agaagaaaga gaaaccttca ctttggcatt ttttttaatc actgtttatt tttctgtttg 240
cggcccagga agcagtggga ggtggtggca gatatgcttt gcatatggat tgttatgttt 300
ttatttgggc aagtttaatc atggaaaact caaaaagaag gggggaaatg gtcagtttaa 360
gccaaaagaa acttttctaa caatgtatag gtacacagca aaattaaaca aatccaacaa 420
tttctgaagc ttagtgtaat tgagtgggtg ttgttattca ataaaattat tcccaaaagt 480
gtttctccta agagtgcagt tcccatgagt cacttcctga acccattgac caaag 535

```

<210> 98

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 252, 255

<223> n = A,T,C or G

<400> 98

```

aaaataaaaa aaaatttgca cttattcctc acaaaatctt cacttttga actatcccaa 60
ttgaagctac acactgaatt tattaataca gcattaagtt tctttgtgta aaaaaatctt 120
tgtacacagt aataaaaaaa gataaggcaa gatgcattaa acagaaacct tctggctctt 180
ttcctctgcg tttttacaga gccactgatg actatctgca acaaaagagt taagtttctg 240
attttccgta tnaan 255

```

<210> 99

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 162, 183, 315, 318, 324, 326, 357, 522, 571, 599

<223> n = A,T,C or G

<400> 99

```

aaataaaaaag agatccaaat caagatcctc actacccctt acccctcaac taacccctt 60
tagggccaca ttttcttctt gtcctaaga aaaaaatttg gaattttgaa tttctcggg 120
tttctgtgca cacctggaat tgggcaaatg tggtcagctc anccagcatt ttctgtagac 180
atnatcaaaa gcaggcactt ggggattctg ggctttgagt acaaaccacg gatcttgtgt 240
cagaaacaca tgttgagact cctccattcc ttccagaatt ttccagagatg aggtagaccc 300
acctcaatca tcctnagnat cagntngcta aattgccagg ctcaatgaca agctctnctg 360
ccatctccaa gccactttt catagtccg ctctgtcttt ggctgcagca ctttaggcac 420
tattctaagt cctggagtat atcactcttg ctccagagct aaataaacat taatgaacac 480
actfactcag aacaagtcac tggatagctg cccattgcaa gntacatact catgagatga 540
aagaggggaag ccattaaagg tcttcagagt ngacaatacc tagtcaagat gtggacctn 599

```

<210> 100

<211> 190

<212> DNA
<213> Homo sapiens

<400> 100
ccacctccaa aactgcagaa aatattacac gtagtggtga acacaaaaca taaactaagt 60
ttaaagccac ataggtgttc tgaaagcatg ctcaacaacc acagccactg gaggatggtc 120
cactggaaaa atatgatttc aggaaccaga agtaaagatg attaccctag tctcaggtga 180
tgtggccttt 190

<210> 101
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5
<223> n = A,T,C or G

<400> 101
ccagngtcat atttgggctt aaaatttcaa gaagggcact tcaaattggct ttgcatttgc 60
atgtttcagc gctagagcgt aggaatagac cctggcgctc actgtgagat gttcttcagc 120
taccagagca tcaagtctct gcagcaggtc attcttgggt aaagaaaatg acttcacaaa 180
ctctccatcc cctggccttg gcttcggcct tgcgttttcg gcatcatctc cgtaaatggt 240
gactgtcacg atgtgtatag tacagtttga caagcctggg tccatacaga ccgctggaga 300
acattcggca atgtccccctt tgtagccagt ttcttcttca agctcccga gagcag 356

<210> 102
<211> 415
<212> DNA
<213> Homo sapiens

<400> 102
cagagaagtg gatggacatt tcgccatcca ggcagaacta agccaggcat aaccacagcc 60
aagcagatta accccaggca gaccgataaa aagacctcca gataggcaga cagacagatg 120
gaccaccaac ctggacagac agccaaagct tcagagatac agtccacagg tggacaaagg 180
gatccccagc cagagagaga gagaccagcc aacagcttga tagaccagtg cagccagaga 240
gaccacaaa cagagcccc aaaagacaga catctctgct agctggacag ccaggtggac 300
cccctaagtt agattactag acagatataa acagatcccc tgctgaacag atacacagag 360
ttctcagacc ccacccccac cctcaggtgg gctggctggc tgacagacct tctgg 415

<210> 103
<211> 190
<212> DNA
<213> Homo sapiens

<400> 103
aggaagagct ggcctacctg aagaagaacc atgaggagga aatcagtacg ctgaggggcc 60
aagtgggagg ccagggtcagt gtggaggtgg attccgctcc gggcaccgat ctgccaaga 120
tcctgagtga catgcgaagc caatatgagg tcatggccga gcagaaccgg aaggatgctg 180
aaccttggtt 190

<210> 104
<211> 507

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

ccactgcaact	tcagcctggg	cgacagatct	agaccccatt	ctaaaaaaaa	acaaaaaacc	60
caaaccacaca	cccacgaaag	ggtaatgttg	gcaagaagtt	gggtgcagag	gtctactggg	120
gaacatctgt	ggggaaaggg	tctaaggctg	ggaagcgaga	cgccagggtc	cgatcctggt	180
gtgtagttaa	tttctggtgt	ggctttgant	aaggtacccc	acctttatct	gtaaccatct	240
agtcagggtga	tctcttttagc	cattccagtg	ccggggctct	attagagcta	gttctaaggc	300
attcatactt	cttgcttagg	gcgtttctgt	ctttgatccc	tcatccccag	gtgctagtgt	360
atgagttggt	gggaaagggc	tttcgagggg	gtgggggccca	atggaaggct	ctgttggggac	420
ggcaccaggc	gaggtgttga	gttggtctcg	ctcaagggtc	ttcggggtgt	gagctggcat	480
gaggacctgt	tggaaagtgg	atccagg				507

<211> 553

<213> Homo sapiens

ccatgaaagg	cagctcttgc	cgaatgcgcc	gttcaattac	tttggggtac	acgaccaatc	60
cttcagaaat	gttctgcagc	gtattcaata	tagtatctgc	gctaagaaat	gcctcggcc	120
aacagatccg	tcggttgga	ctatcatcca	gtgtgcgttc	aaaccactgg	acagatgctg	180
tctgtagcgg	gtccatgaca	agggtcac	ggtagcgagg	aagactgcag	caacgttctg	240
aacgcattgg	attccgctta	tatggcatcg	cacttgagcc	aatctgctgt	ttttcaaagg	300
gttctccat	ctccttgagg	tttgccagga	ggcgtatgtc	ggtgcaaata	ttgtgcactg	360
atgccccaa	gctagccagc	acagacagta	cttcaataac	cacttttctg	gtatatgtct	420
gcctgtgat	gatgaaagct	ctcttaaata	ctgccttttc	tgtcaccata	ttgtcaagct	480
gctctacct	atggctcatc	ccctcaaaga	gctgcaggaa	actggcctga	gtgccagtgg	540
taccctttac	tcc					553

<211> 617

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

cctttccctg	cccagtcctg	tgcctgcccc	acgttgtacc	ggacactgga	ttcctggacc	60
cccttctcct	ttcctttctt	tccttcaggt	cacgcagccc	tgtactgtat	ccagcaccac	120
agaaacctca	gtgtttttcc	tctgctggtt	tggggcacaa	ggaagcctta	gggtatgggg	180
aaaggctggt	attacctaga	gtttactccc	aggccagggg	gctgccatct	tcttcacaga	240
catccctgaa	aggaagcccc	tttggggcag	ggaggtgagg	acttcattct	aacatcggtt	300
ggtggttggt	aggggagctt	tttcttttct	ttcctttttt	ttgtttttgt	ttttgntttt	360
gttttttgta	acatgttagg	agttaatgtt	qcaaagagta	gtttacatct	tcacttttctg	420

```
<210> 107
<211> 167
<212> DNA
<213> Homo sapiens
```

```
<210> 108
<211> 280
<212> DNA
<213> Homo sapiens
```

```
<210> 109
<211> 516
<212> DNA
<213> Homo sapiens
```

<400>	109					
ttggccggt	ttaaaaagnt	gagaanccag	atnctnaata	naagaaaccc	caagccaana	60
angttgatgc	tggtggcaag	gngaaaaang	gtnacctcaa	agctaanaag	ccaagaagg	120
ggaagcccca	ttgcagccgc	aaccctgtcc	ttgtcagagg	aattggcngg	ngttcccgat	180
ctgccatgta	ttccagaaag	gccatgtnc	agaggaagta	ctngccgct	aaatccnngg	240
ttgaaaagaa	aaagaangan	aaggttctcg	caactgttac	aaaaccattt	ggttggtgac	300
aatcaacggc	ggtaccggg	tggttaaact	tcgaaaatg	cctagatatt	atcctactga	360
agatgtgcct	cnaaagctgt	tganccacgg	caaaaaaccc	ttcagtcagc	acgtgagaaa	420
actgcancc	ancattacc	cgggaccat	tctgatcctc	ctcactggac	gccacagggg	480
caagaggggtg	gttqtctga	ancatacctc	agccgn			516

```
<210> 110
<211> 527
<212> DNA
<213> Homo sapiens
```

```
<210> 111
<211> 580
<212> DNA
<213> Homo sapiens
```

```
<210> 112
<211> 283
<212> DNA
<213> Homo sapiens
```

```
<210> 113
<211> 575
<212> DNA
<213> Homo sapiens
```

<400>	113						
ctggaagcct	ggaggagtc	cctgaatttt	ctgggtcatcc	aactctttctt	cctgtggcac	60	
caaagccaca	aaataaggag	ggatgtttcct	gcggggtgtg	tatctgcaca	atgctgcaac	120	
ctccttctcc	agacacttga	tgagcagagc	actgaacagg	gttgagctcc	caatcaccag	180	
cgactcctct	gggtacacga	acagggaggg	cctcaggtaa	tgggtgtttct	tcagcagtac	240	
caacggcttg	aaacccatga	gcatacaaac	tggatcatca	aaccgtttta	gctcttctgt	300	
ttcctctttc	tccagtataa	tctgacgact	cccatagatc	tgagacctct	tggatatcgt	360	
aggcagaagc	aaaccgcctg	tacttgtatt	aaaggtccgg	gtcttggttt	tcactggttc	420	
atttgtttcc	cgatagagct	ttattggagg	aggcttgaga	gccttctgga	ccagattata	480	

aatgcccaca gagatcacta tatctttgtt gagcttcagc tttaacctgc tgagtgtctg 540
cttcctgggc tccttggcgc gaaccttccg caaca 575

<210> 114
<211> 314
<212> DNA
<213> Homo sapiens

<400> 114
aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60
tgcttcggaa tttggcagca accatgccac tgtttccatg ggcccagatt acttttcccc 120
agatgactct ggttttgttt ggtttgccgc caggagtgac tgtgttggtc tttgctttat 180
atacataagc gcatctcttg cccaaataga attctgtttc atctcgggcg taaacacctt 240
caattttaag aagagctgtg tgctcccttt ggttcggag accccgctta tagccagcaa 300
aaatggcctt ggac 314

<210> 115
<211> 304
<212> DNA
<213> Homo sapiens

<400> 115
ccttgtctc tcttaggtcc agagctcagg tgaatgcaga ttttccggc catctgtgct 60
gaagtccctg tggggaggct cctggctggt ttctgtagg tagacagcta cacgtcctgc 120
ccttcattgg cttcttttca tgaagctcct gccatctaca aaacatgtct cccttcttga 180
atcacatctc tgttattgaa actctagaag tcaaccgggc atgggtggcta tgcctataat 240
cccagcattt tgggatgccca aggcgggtgg atcacctgag gtcaggagtt caagaccagc 300
ctgg 304

<210> 116
<211> 454
<212> DNA
<213> Homo sapiens

<400> 116
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
ttttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tgggttcagga taatcacctg agcagtgaag ccag 454

<210> 117
<211> 380
<212> DNA
<213> Homo sapiens

<400> 117
ctgtcctgca gcaaacactc caccctccac cttccatttt cccccactac tgcagcacct 60
ccaggcctgg gtccccctgca acctcccata aaaggatgac ccctaaacac agaggagcgg 120
ggcaggcagg ggggcaagga ctggagctac cttgcttggt gggggactgg gtacagttgg 180
caagctgtgt ttccatcagc tccctgtctc cttttcttcc ctcgttattg atctatagac 240

```
<210> 118
<211> 651
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 492, 573, 639
<223> n = A,T,C or G
```

<400>	118						
gcgagaatga	agactattct	cagcaatcag	actgtcgaca	ttccagaaaa	tgtcgacatt	60	
actctgaagg	gacgcacagt	tatcgtgaag	ggccccagag	gaaccctgcg	gagggacttc	120	
aatcacatca	atgtagaact	cagccttctt	ggaaagaaaa	aaaagaggct	ccgggttgac	180	
aaatggtggg	gtaacagaaa	ggaactggct	accgttcgga	ctatttgtag	tcatgtacag	240	
aacatgatca	aggggtgttac	actgggcttc	cgttacaaga	tgagggtctgt	gtatgctcac	300	
ttccccatca	acgttgttat	ccaggagaat	gggtctcttg	ttgaaatccg	aaattttcttg	360	
ggtgaaaaat	acatccgcag	ggttcggatg	agaccaggtg	ttgcttgttc	agtatctcaa	420	
gcccagaaa	atgaattaat	ccttgaagg	aatgacattg	agcttgtttc	aaattcagcg	480	
gctttgattc	ancaagccac	aacagttaaa	aacaaggata	tcaggaaatt	tttggttggt	540	
atctatgtct	ctgaaaaaagg	aactgttcag	cangctgatg	aataagatct	aagagttcct	600	
ggctacagaa	agaagatgcc	agatgacact	taagacctnc	ttgtgatatt	t	651	

```
<210> 119
<211> 472
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 466, 467  
<223> n = A,T,C or G
```

<400> 119							
ctggagcctg	agtccgctgc	acggagactc	tgggtgtgggt	cttgacgagg	tggtcagtga	60	
actcctgata	gggagacttg	gtgaatacag	tctccttcca	gaggtcgggg	gtcaggtagc	120	
tgtaggtcct	agaaatggcc	cagttcggtg	ttggttttta	ttctgcttat	ttggttgctg	180	
agaaagtaac	tgtgatcacc	aaacataacg	atgatgagca	gtacgccttg	gagtcctcag	240	
cagggggatc	attcacagtg	aggacagaca	caggtgaacc	tatgggtcgt	ggaacaaaag	300	
ttatcctaca	cctgaaagaa	gaccaaactg	agtacttgga	ggaacgaaga	ataaaggaga	360	
ttgtgaagaa	acattctcag	tttattggat	atcccattac	tctttttgtg	gagaaggaac	420	
gtgataaaga	agtaagcgat	gatgaggctg	aagaaaagga	agaccnnгаа	ga	472	

```
<210> 120
<211> 544
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
```

<222> 544

<223> n = A,T,C or G

<400> 120

```
cgagggcctg ctgcttcctg gttaagtatc ttttgagatt ctagaacaca tgggagcttt 60
ttattttcgg ggaaaaaccg tatttttttc ttgtccaatt atttctaaag acacactaca 120
tagaaagagg ccctataaac tcaaaaagtc attgggaaac ttaaagtcta ttctactttg 180
caagaggaga aatgtgtttt atgaacgata gatcacatca gaactcctgt ggggaggaaa 240
ccttataaat taaacacatg gcccccttag agaccacagg cgatgtctgt ctccatcctt 300
ccctctcctt ttctgtcacc tttcccccta gctggctcct ttggacctac ccctgtcctt 360
gctgacttgt gttgcattgt attccaaacg tgtttacagg ttctcttaag caatgttgta 420
tttgacaggc tttctgaata ccaaactctgc tttttgtaaa gcgtaaaaac atcacaaagt 480
aggtcattcc atcaccaccc ttgtctctct acacattttg cctttgggga tctggttggg 540
gttn 544
```

<210> 121

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 505

<223> n = A,T,C or G

<400> 121

```
ctgatgctgt ttgatgactc tgggaagtat tgaaggttcc aaaatcagca ctggaggatt 60
tggggaagtt atcaaaatga gcaaaattag catttactga tgcagcactt ccacctgtag 120
tttggggctg aaaaggagag tgacttgctg tggggaaacc tccaaaatta ctgaaccac 180
tagactgtcc aaatgcatca aagtttgcaa aatctgcatt tgcagaattc tgagctgcat 240
gactgttgaa atgtgcaaag ttagcaaaat tggtcttagc tgttgactga ggagctggag 300
cagcaaagat gtctgagccg agatcactta aaaggtcaaa ttgcttcttc tctgctgct 360
gcccttgaga acgacctaca actggggact gactaggtgt gcccttattt aagtgcagt 420
ttggtgcaga atcccctaaa agagatttca gtggtttgac ctacaggtgtg ctgcttgtgc 480
tactggcaga ggacccttga aatanatgca tgaactgatg ccacgacttt ggcttgttct 540
ggcgggacat accatctttt cttttcatac ttttcttga 579
```

<210> 122

<211> 238

<212> DNA

<213> Homo sapiens

<400> 122

```
ctgccacaga gggccccccac cagggaaatg tctagtgtct agtggatcca ggccacagga 60
gagagtgcct tgtggagcgc tgggagcagg acctgaccac caccaggacc ccagaactgt 120
ggagtcagtg gcagcatgca gcgccccctt gggaaagctt taggcaccag cctgcaaccc 180
attcgagcag ccacgtaggc tgcaccagc aaagccacag gcacggggct acctgagg 238
```

<210> 123

<211> 377

<212> DNA

<213> Homo sapiens

<400> 123


```

accaagttga ctctgaggcc ctggtgggct gcctgcgggg caagagtaaa gaggagattc 60
ttgcaattaa caagcctttc aagatgatcc ccggagtggg ggatgggggc ttctgccc 120
ggcaccacca ggagctgctg gcctctgccg actttcagcc tgtccctagc attgttggtg 180
tcaacaacaa tgaattcggc tggctcatcc ccaaggtcat gaggatctat gatacccaga 240
aggaaatgga cagagaggac ctgccaaggg cgaattctgc agatatccat cacactggcg 300
gccgctcgag catgcattca gagggcccaa ttgcacctat agtgagtcgt attacaattc 360
actggccgct gt 372

```

```

<210> 128
<211> 575
<212> DNA
<213> Homo sapiens

```

```

<400> 128
ccaccacacc caattccttg ctggtatcat ggcagccgcc acgtgccagg attaccggct 60
acatcatcaa gtatgagaag cctgggtctc ctcccagaga agtgggccct cgccccgcc 120
ctggtgtcac agaggctact attactggcc tggaaacggg aaccgaatat acaatttatg 180
tcattgccct gaagaataat cagaagagcg agccctgat tggaaaggaaa aagacagttc 240
aaaagacccc tttcgtcacc caccctgggt atgacactgg aaatggtatt cagcttcctg 300
gcacttctgg tcagcaaccc agtgttgggc aacaaatgat ctttgaggaa catgggttta 360
ggcggaccac accgcccaca acggccaccc ccataaggca taggccaaga ccatacccg 420
cgaatgtagg acaagaagct ctctctcaga caaccatctc atgggccccca ttccaggaca 480
cttctgagta catcatttca tgtcatcctg ttggcactga tgaagaaccc ttacagttca 540
gggttccctg aacttctacc agtgccactc tgaca 575

```

```

<210> 129
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 129
aaactgctct ttttatctgc ttgtgggaat gtcgtctctt tcgtggaaga ttgggtgggc 60
tcatgttgag gctgttgccc agtcccatta actcccttgt ccccccacag aaggaagaga 120
cattgcccgag ctaagcatca ggaagctgtg ttaaaagccc ttctatgggt ttggttttgt 180
gatgtttttc cctaattggga aaaacgttat agttgtttct tactgcctg tctgggaagc 240
agggcaaacc tccaggtttt t 261

```

```

<210> 130
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<400> 130
ctgggggtact ttcagtttgg actgatattc atcacacctc agataaaatg cagagtaata 60
tatagttgca ctttataaat ggtgggttaa tggaaatggt caagccattt tatagttgtg 120
atgcacaata taatttaagt gcttctgtca aagtattcct ccagtacaat ttgtatagtt 180
tgctgccctt gatgagcaaa agtatttata ttgggcttat ctaaagtatc aggatgagat 240
ttaatgcccc tatcttacca gttcagtaat ctccagagcc atttcaccct ttagagtgtg 300
tcacatgcag ggagtgtgaa tgtcagaggt ggtttattat ccagtctgcc ttacccttaa 360
totgttcaca gatattttat tactaatgct ttttttttct taagagttat gggataggaa 420
aatgaagtgt ttgctcttca ttactaaat gattgtaaac ttgagttttt catcaaaaata 480
aaattccatt gtttt 495

```

```

<210> 131

```


<211> 214
 <212> DNA
 <213> Homo sapiens

<400> 131
 ccaagaggtc agagtcggtcc ctgagggctga gtggaacaca gacccgtggc cctcataaaa 60
 ttaaacataa aagcacaaaa atggcgcaac cagacagcat tggcttcaga caggcaggac 120
 acggggcccc tcgtgtgacc tgtgactttc cacaaagggc aaggacctgg cactgactcc 180
 ggccagtgga gaaggctgtg ccgccccccc ggcc 214

<210> 132
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 132
 cctgggagga gactatggaa gaaagggggc ctcaagaggg agtggcccca ctgccagaat 60
 tcccaaaaaga tcattggccg tccacattca tgcctggctg cgctggctga actggtgcca 120
 ccgtggcagt tttgttttgt tttgcttttt tgcacccaga ggcaaaatgg gtggagcact 180
 atgcccaggg gagcccttcc cgaggagtc caggggtgag cctctgtgcc cctaatac 240
 tcctaggaat ggagggtaga ccgagaaaagg ctggtatagg gggaggtttc ccaggtagaa 300
 gaagaagtgt cagcagacca ggtgagcgtg ggtgccagtg gggttcttgg gagcttcaag 360
 gaagcaagga acgctccctc cttcctctcc tgggtcttct ctatgggacc tagtaaataa 420
 ttactgcagc cacctgagggc tggaaaacca ctccaggtgg gggaggagag agttta 476

<210> 133
 <211> 142
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 73
 <223> n = A,T,C or G

<400> 133
 aaaattacct ttatcatcttg ctngatcttc cttcagctaa attagaaatt tgtagttttt 60
 cccctaaaaa atncaatggc attctttctt ataaattaca ttctctgatt ttcttgcag 120
 cctgcttcaa ggaaatccat gt 142

<210> 134
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 4, 18, 25, 69, 93, 98, 115, 134, 246, 352, 365, 369, 438,
 440
 <223> n = A,T,C or G

<400> 134
 ngtncaagaa aataattnta tctantgatt attagtgact tgcaaacaat ttactatttc 60
 tagactaang aaataaatta gtgtacaaat tantgtanca ggtaaaaaac acctnagga 120

```
<210> 135
<211> 495
<212> DNA
<213> Homo sapiens
```

```

<400> 135
tttttttttg aaanaacatg tattgaggta ctttttattg gtataanaac gtaagtcca 60
nattaaccat gtcattgttt ctttttcacc atggattttt ttccacaaac tcctttgaaa 120
ttaaacagac ttatatgtaa atgtctttct acattaaaac tacttcccaa cccacaaana 180
ccccacttac tactaatttc tggggaattt cgtttactcg ttttatctaa tattaaaaaa 240
tcaacatttt gccagcagtt aaaaanacaa ccttaaagtt ctcaaattac tttccacca 300
accgcgaaaa naaaaccacc catntccaaa actttaagc aataaaaaatt tntnttttcc 360
aaaaaagtat ttacagactg aaattcaaac tctacattgc catcaatgta attatncaag 420
ngcatacaaa gccctggaaa agaggaagta tttcatttca aaatatttat gatcaaaaa 480
atattgnttg cttttt                                     495

```

```
<400> 136
cctgagcccg acttagccag ccctggtctgt tgtattacca aagcagggtc catgtttgot 60
gccttaaccc tgtctctctt ctgttaactca gagggcctca tctcagacaa ggcccagcct 120
gctttttctc agccctgaet ttctaatggg ctttccccc taggtcagtc ttgctggatt 180
tgtgcttttc ttttgtggtt tctctggccc tgagaatagc atggggcttg taaacctttg 240
ggctagatcc ctcccttcat tgcgtttgtc tctgctcttc cctctcctgg ctgtggttat 300
ttattattag tgggtgtggca ctgggagctg ctcttaagga agcagggagc aaatcccacc 360
ttaccccac cttcctggga aagg                                     384
```

```
<400> 137
ctgtgcagaa agggctctgg agagatgttc atagcagcac acacctgcgg ctctttcttcg 60
gttctggagg ctccagggcc gccaatattg cttcgtcaaa tacattcttt agg          113
```

$\langle 210 \rangle$	138
$\langle 211 \rangle$	408

<213> Homo sapiens

aaagtacttt	taagaaaaaa	agcagggcct	tggaggtttt	ggttcttttt	tcctcccttg	60
ttgcaaattc	tcatggtttg	ggttggttg	tggagagcgc	gtgtcatctg	cgggtggcac	120
tgcccacggt	gggcgggcgg	gcctctctac	tgaaggtga	ccacgtttag	attctgagac	180
gggaagtgga	gggtgaatag	gtcacggcgg	ctttttttta	gtttaacttt	tccttttttg	240
ctgtctagtc	atcctcgtcg	gtcttctgct	tcttggtatc	gacatcgta	tcctaagcag	300
agaaagactg	tcaaaggccc	ctccaacccc	aggagcccta	tccagcccac	tgcctcagct	360
cctgctggca	gagcaagaac	cagggaacccc	cagctccaca	gcccgaagg		408

<211> 28

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

tactgctgga tatnccttta acgttgct 28

<211> 386

<213> Homo sapiens

ccaaccagcc	acgggaggtg	gaattcccta	actattgtca	gagagagtgc	aaagggattt	60
gtctgattga	acaatctgca	tttgaagatg	acctggacct	gcctgcatcc	cgcatggcag	120
aggtggacat	ttggaaggtg	cgtttgetca	tgtttctctt	tctctcccca	gaacctgcta	180
aggctgcttc	agacctgact	gcctggttca	gcctcttcgc	tgacctcgac	ccactctcaa	240
atcctgatgc	tgttgggaaa	accgataaag	aacacgaatt	gctcaataca	tgaatctgta	300
cccttcggga	gggcactcac	atgcgcgcc	cagcagctcc	cctgggggct	agcagaagta	360
taaagtgatc	agtatgctgt	tttaat				386

<211> 399

<213> Homo sapiens

ctggccctcc	atcaccaatg	cggcagtcct	tgccgtgaca	tgctgagctc	tggaaaggagc	60
gaaggagggg	ctgcggtggt	cagacaagag	cctggacaca	gtgctgctga	cagccagggg	120
aggctctcag	cgcctgggagg	ggcgacagat	aaagcgagac	agaccaagga	gtaaatgcct	180
tgggatctgc	tctttgggaa	ggaagaggat	gaaagtatta	acagcagacg	ggtctctcca	240
agtctgggtg	cctacgcagg	gggcaggtgg	gaggggaagg	gagaggttaag	agtggcttcg	300
cttcacctct	tgctgctggc	aaaggcccaa	gtgctgtcta	acaaggccag	caggttctcc	360
aagctgtatc	tagcccagag	cattcattta	caggactct			399

<210> 142

<211> 248
 <212> DNA
 <213> Homo sapiens

<400> 142
 ctgcactcag aagaacctgt cgcttcactt gaaaactttc tgttataccc aggatagcca 60
 tatctccaat ggtgccttcc ctcatatctg caaagaaaaa caaatttact aaaaagcagt 120
 tttactaaa gtatcaaaac atctctaata atttataata aaaattaatc ctattaataa 180
 aattaggaca cccaactact ttactcagta ggtagataag cctacaaatg agctcaaaga 240
 aagccttt 248

<210> 143
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 143
 ctgccttctt cttgacagct tcttttagagt ctttttgtac ttgtacctgg gccagcttcc 60
 aacggttgct gatttcatag attttggttg atggatcgaa cttcgctgcc tgagagacgg 120
 gagcacggtg tcccagtgag ggcagaaaca tcctaaatgg attttcaaag gactccatga 180
 tgttctgggc ttttttctgt gcaactgtca atggaccctt ttactgtct tcagcactag 240
 gttcattaaa taacgtgatg acag 264

<210> 144
 <211> 58
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32, 44
 <223> n = A,T,C or G

<400> 144
 tactagagtc tcaatatctt gctggttacc ancatttcct acangagaaa tgaatgaa 58

<210> 145
 <211> 569
 <212> DNA
 <213> Homo sapiens

<400> 145
 ccagagcttc atccagagct cactggaagg tggcttggca ggaagagggg atcttctctac 60
 agccctctc caagggggac agaggctggg ggcagagaag gaggcattta agctttgcta 120
 gcctctgct gcctctgagg ctgtaggaca cgtcattcaa acctaccatc aaagtaggct 180
 tctgatttca acttggatct cacggtagcc cagtgcaccc gcagcagcca tgatgggatg 240
 taggcaggag agcgttggcc tggaaaccgc ttctagacaa tcctgtatta tttagatcta 300
 catagagata cacgaaaacc ctttatacca aataagagta aataattata ccaatataaa 360
 cagggccgtt gaccctttca ttttattaaa atggcacata attattaaaa cagcactg 420
 atcactttat acttctgcta gccccaggg gagctgctgg gggcgccatg tgagtgcctt 480
 cccgaagggt acagattcat gcattgagca attcgtgttc tttatcgatt ttcccaacag 540
 catcaggatt tgagagtggg tcgaggtca 569

<210> 146

<211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 395
 <223> n = A,T,C or G

<400> 146
 ccacttccat gccctctcca gaccaggaga cacctgctgc tgacctcgtg gaaaacttag 60
 attttgacat tctgatgctt cggaagtggg ggctcctcct cctcaccctt tccgccacct 120
 gtgggcctcc tctctgcac tcaagagaac aaccagatct ttggactcct ggggtgtgtg 180
 ccatgcaatt tagacgaagt gctttgaaaa tatgccattc agtctctgac taggaaaata 240
 agtctgacct gataggctct atgtcatcag ctcttcaaca tgagacaaaa gaggggattt 300
 tatgttttga gtcattagaa tgatataata attttctgaa ttgacatctg gatgttgaaa 360
 ttaggatggg gcaaaagggg tccagggcct caggntgggc gcagcagcca gctcccaatg 420
 acgcagaagc tgcttcaaaa cccctcaac aaagaggggc acatgcaagt caccaaagtg 480
 ggaagccttc accaaggcca cacccaaagt ctactgattg tctgtctaaa gttcgttgat 540
 tcctgg 546

<210> 147
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 45, 50, 72
 <223> n = A,T,C or G

<400> 147
 atccctagta acggccgcca gtgtgctgga attcgccctt agcgngggcn cgggcgaggt 60
 ctttcatttt anctaagttt agaatttata ttacgcaact atgatttgag tggttattca 120
 ttgagtaatt ttccactata aagaatttta ttgaacattt attaaaaaat aatgtaatgc 180
 atggcctaaa aatatgtaat tcatggctct gacactgacg ttgttttagg atttagtcat 240
 caaggacagc cctctgttgt ttctaattgc gtactaatca agactgtatg gacacttgca 300
 tcttaagtac taaggaaatta ctagtgattg ttttatttta tccatgtact cttttagtat 360
 ttaataatta aataoctatt cttagtgttt gacactccat atttcttttt tttggaaatg 420
 aaacaaatat gcagtccaaa attcaggaac tactagagtg aaatgatatt aagtggaaac 480
 cagagataaa tgctgttaat ttaacaagta gattcttctc caaagaatga tgagtgattc 540
 ttgggaagat aaatgttaat gttcccaata gtcaagcttg tcttgacgta gtgaaaagct 600
 tagatgagta cggatacctc atttgaaact cagcctaggt aaggaagtga aaa 653

<210> 148
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 148
 ccaacatggg gaaaccccat ctctactaaa aatacaaaaa aaatatttagc caggcatggg 60
 ggtgcatgcc tgtaatccca gctacttggg aggctgaggt aggagaattg cttgaacctg 120
 gaaggcggag gttgtagtga gctgagattg tgccattgca ctccaacctg ggcaacaaga 180
 gtgaaactcc atctcaaaac aaaaacaaaa ctagacagc 219

<210> 149
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 304, 374
 <223> n = A,T,C or G

<400> 149
 gctaggtagg ggcaggtggg tgatctctaa gctgcaaaaa ctgtgctgtc cttgtgaggt 60
 cactgcctgg acctggtgcc ctggctgcct tectgtgccc agaaaggaag gggctattgc 120
 ctctctccag ccacgttccc tttctctcct tccctcctgt ggattctccc atcagccatc 180
 tggttctcct ctttaaggcca gttgaagatg gtcccttaca gcttcccaag ttaggttagt 240
 gatgtgaaat gctcctgtcc ctggccctac ctccctccct gtccccaccc ctgcataagg 300
 cagntgttgg ttttcttccc caattctttt ccaagtaggt tttgtttacc ctactcccca 360
 aatccctgag ccanaagtg ggtgcttata ctcccaaacc ttgagtgtcc agccttcccc 420
 tgttgttttt agtctcttgt gctgtgccta gtggcacctg ggctggggag gacactgccc 480
 cgtctaggtt tttataaatg tcttactcaa gttcaaacct ccaccctgtg aatcaactgt 540
 gtctctt 547

<210> 150
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 279
 <223> n = A,T,C or G

<400> 150
 ctgaaccctc gtggagccat tcatacaggt ccctagttaa ggaacaagtg attatgctac 60
 ctttgcacgg ttagggtacc gcggccgtta aacatgtgtc actgggcagg cgggtgcctct 120
 aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
 tctttttact ttttttaacc tttccttatg agcatgcctg tgttggggtg acagtgaggg 240
 taataatgac ttgttggttg attgtagata ttgggctgnt a 281

<210> 151
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 498
 <223> n = A,T,C or G

<400> 151
 ccaggctggt tttgatctcc tgacctcaag cgatccactg tectcggcct cccaaagtgt 60
 tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
 agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180

```

aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctag gtaggtttac atccatcatg ttctctttga ctgcctttgt 300
ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgtag 420
cgatgctcaa ggatcgggtc cacgttcac ataggtatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaataanac tctagggg 508

```

```

<210> 152
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 365
<223> n = A,T,C or G

```

```

<400> 152
cctgcgcctc ctgccttgcc gcctgcaaag caaagaaact gccttttatt ttttaacctt 60
aaaaagtagc cagatagtaa caagactggc tggctgatga gcaaagcctt tgctctcacg 120
cagaggaagg cttggatgta caatgaaact gcctggaact aaaagcagtg aagcaaggga 180
ggcaatcaca ctgaagcggg tcttctcca ggaacggggg cccacaggcg tgttggttta 240
aataacctga tgctgtgtgc atgatgctgg tgcttgacca tgaaaggaaa gtctcatcct 300
taaaatgtgt tgtacttcac aatcctggac tgttgottca agtaaacaat atccacattt 360
cgaan 365

```

```

<210> 153
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 196, 200, 201
<223> n = A,T,C or G

```

```

<400> 153
aaaggaaaag ttgattatgt atgtggggtg ccaggaccac tgccttgaaa gcaagtgtga 60
tttttatttt taatattatt ttatttgtgt ctgtgtacat attcatgtat aaattttatg 120
aaacccaagc atagtgccta ttttttaata aaacaactga cttaacacca aaaaaaaaaa 180
aaaaaaaaaa aaaagntttt ncc 203

```

```

<210> 154
<211> 646
<212> DNA
<213> Homo sapiens

```

```

<400> 154
aaaattttga caatctgctg ggtgctgagg gaggtacaca gggagcagat agcctctgcg 60
tctctctggg ttttcttctt taattgcagg agctgggctg cttggatcag aggttccatg 120
gtctgaactg ctccactctg gtgaagggtt cttccccgaa gccactctc aagctgactt 180
atattgtacc tgagttgcat gcctgtgctc caagagcaga cgtccttcog caagagcagg 240
ttgttaagag tcaactgcgtt gatcatgtag aagagctgtt tgaataacctg caggatgac 300
tcagggtcca agccttggtc acacatgact gtatgaaagg cattcatctg gcggatgata 360

```

```

gcttccaggc agtatgagtt atccccatct gccatgctgg aggagcgctt ccggtagccg 420
gtgggcttca caccagatag accctgaatg ctctcatttt ccaacatggc agaaactatc 480
atcggctgta acacgccctc ggcaatttta atgagctgct ggtagatctg aatggaaagg 540
tcactcagca cctgacggac ctgcccgggc ggccaagggc gaattctgca gatatccatc 600
aactggcgcg ccgctcgagc atgcatctag agggcccaat tcgccc 646

```

```

<210> 155
<211> 336
<212> DNA
<213> Homo sapiens

```

```

<400> 155
ccatgggtggc gcacgcctgt aatctcagct actcaggagg ctgaggcagg agaatctctt 60
gaacctggga ggaggaggtt gcagtgagec aagatgggtg cactgcactc cagccttggc 120
aacaagagtg agactctacc ttaaaaaaaaa taaaaaaata aaaaaagtca aaattagctg 180
gggtgtgttg tgcgcccgtg gtctcggtt cttgggaggc tgaggcagga gcattgtttg 240
aacctgggag gcggaggttg cagtgagect agactgcacc attgtagtcc agcctgcatg 300
acagagttag actctgtctc aaaaaaaaaa aaaaaa 336

```

```

<210> 156
<211> 433
<212> DNA
<213> Homo sapiens

```

```

<400> 156
ctgcctttga tcaagattcg ggtgcaagtg gaggcaggag catataacctg gagggaaatgt 60
gctttgtcac accaaagagg attttttttt cttcaactt gtatgttgcc taggtttcaa 120
attctttgcc gcaaggctga tctgctttca ttaactggaa ttctgtagga gatactgggtg 180
acctaagcta agttgcactc agcatactca gtgtcaagct aatgaggttc tattataaag 240
gttctacttt taatctgagg gaaaacatgt tcagggttcc tagaactacta aaaaatttgg 300
cttaaaccag tgttcagttc ggtgccaaac ttgaatgga atacaaattc acataatctg 360
aactttgttc acaggttatc ctaatataggt aattcttcac tttgctctat tgaactgtct 420
taaggatttg ttt 433

```

```

<210> 157
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 157
aaatcaataa gtaatctagg actagcatta tgtttgctag acctggcatt tgctcggtac 60
ataaggttca aagtttcctt tccttttttt atttatttta tattttgcaa tgtttttttt 120
ccataatatt taagtttttc gatgttttaga tatttttctt cggatgaagca caagtttctt 180
ttcatgggtc ctgatcaatt ttaaacagtt ggaacaccgg tggcactgtt aactgcttcc 240
tgggcagcct ctttagcttg gtgggcttgt agtacagcta cagcttcatc aaccttagaa 300
cggagtgact ctggagactc gagcatatga agaagttctg aattatcaat ctccaacaac 360
atgccagtga ttttaccagc aagagtaggg tgcattggctt gaataagagg aaacagcc 418

```

```

<210> 158
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<400> 158

```



```

aaattttat  tttagtttt  cttttttgtc  aacaaatgat  tgatgaaata  atgcaacacc  60
cttaaattcc  agaaaatggc  atgggttttc  caacctcctg  tggatatggt  gcatgatcaa  120
tctattatat  aggattaata  caagttcatg  cttttttgtg  tatggtgaaa  caacattaaa  180
gaatccaatt  tagattgggt  gaagcacaag  tataataatc  cttgaatgtg  atcaaaccta  240
tttaagacac  cagtttgctt  tttctctgaa  ccagagaaat  gaaagtcagt  ttaagaggct  300
gatagatctt  ggccctgtta  aggcattcac  ttcacagtto  tgaaggctga  gtcagcccca  360
ctccacagtt  aggccaagaa  ttagattttt  389

```

<210> 159
 <211> 155
 <212> DNA
 <213> Homo sapiens

```

<400> 159
ctgagctgac  cttactctga  ggactaactc  ttttgcgtga  agcggtttct  gatttacagc  60
tcttggtttc  tcccagacat  gttgggtggg  gagatgttgg  tttttaaggg  gttgttagat  120
ggagtaaatt  ttcttttttt  tttttttttt  tttttt      155

```

<210> 160
 <211> 555
 <212> DNA
 <213> Homo sapiens

```

<400> 160
aaaagtcatt  caagagtctc  attatttttg  tttttattta  acccttttct  caatacaaaa  60
agccaacaaa  ccaagactaa  ggggggtgacc  atgcaattcc  attttgtgtc  tgtgaacata  120
ggtgtgcttc  ccaaatacat  taacaagctc  ttacttcccc  ctaaccctta  tgaactcttg  180
ataacaccaa  gagtagcacc  ttcagaatat  attgaatagg  cattaatatg  aaaaatatat  240
atgtagccag  acagtttatg  agaatgaccc  tgtcaagctt  cattattacg  tggcaaaaatc  300
cctctggccc  acacagatct  gtaattcact  aggctcgtgt  ttgctacaaa  tagtgctaat  360
aaagttaaat  tgcacgtgca  atacggaaca  ctgtcaatgg  actgcacctt  gtgaaggaaa  420
aacatgctta  aggggggtgt  atgaaaatga  tgtagacatt  ttaagcattt  tctacacagc  480
gagaaaaact  cgtaagaaca  tgttacgtgt  gcaacaggta  aacagaaaatc  ctttcataaa  540
gcaccagcag  tgttt      555

```

<210> 161
 <211> 311
 <212> DNA
 <213> Homo sapiens

```

<400> 161
cctagatggc  aaaacacatg  ggctttgtga  ctccactact  gacttccagg  ctaaggaagg  60
actgacttag  tgagctgttc  caagaccact  gagctcatgg  ttccctgtgg  ctgggacctc  120
catcatgacc  ggggcttgaa  gaggtactc  tgttcccgtc  gccacatttg  gaacagtatg  180
acggctgcag  cagaggccaa  aaactaagtg  atcagcccca  gagagtogat  gggggacact  240
gacaaaccaa  tcacaaagtt  ggtgccatta  gctcttaggg  aggagaggtg  gggcctgggc  300
aaggacagca  g          311

```

<210> 162
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 162

```

ctgtgatcca gcacogaccc agccggcagt atgccacgct tgacgtctac aacccttttg 60
agaccocggga gccaccacca gcctatgagc ctccagcccc tgccccattg cctccaccct 120
cagctccctc cttgcagccc tcgagaaagc tcagcccccac agaacctaa aactatggct 180
catacagcac tcaggcctac tatgggtgtt aaatTTTTTA ctctctctac aaggTTTTTT 240
cctagtgtcc aaagagctgt tctcttttg actaacagtt aaatttaca ggggatttag 300
agggttctgt gggcaaatTT 320

```

```

<210> 163
<211> 643
<212> DNA
<213> Homo sapiens

```

```

<400> 163
aaaactttctg ggttctgctg gtccagacag tctttcagaa ttagaataaa atctgtcttc 60
cctttgtgga ggaagagttg aatcaggata tgattgccct ggtggaggaa acatcatcct 120
acggctcctgt tccaccggag atgacaggga cccagtgtca gaaggagccc tgtgaggatc 180
gattaacctg tcatagcttg gttctcctct ttcattggta atctgatggc ccaggggatt 240
ccctgggctg cttgggcctc ttctctctcc ccctggaagc acaggtgaga gtctgagtgg 300
atcctccaac aaagtttgag gagagggaag agttctcgtt tcagatgaag gccgacccaa 360
tggtgagggg ctacatgggg aatgctctct gccaaatgct gtatttgaaa catcgagtgc 420
attaggatct ttttctaaaa gttcaaatTT caactctgtt tcagttaatt tttgtttgtt 480
gtgagcattt tctttcctta aatcactgag gtttctttca gcagtcagag ctgccaaacca 540
attatcatgt cctcttttct cgtaggaaat aacctgcttt tgataaaaaat gaacagttct 600
ctccaattct tcttcaagat ctttggttag ctttctatag gtc 643

```

```

<210> 164
<211> 636
<212> DNA
<213> Homo sapiens

```

```

<400> 164
aagattatga tcgcctgagg cccctctcct acccagatac cgatgttata ctgatgtgtt 60
tttccatcga cagccctgat agtttagaaa acatcccaga aaagtggacc ccagaagtca 120
agcatttctg tccaacgtg cccatcatcc tggttgggaa taagaaggat cttcggaatg 180
atgagcacac aaggcgggag ctagccaaga tgaagcagga gccggtgaaa cctgaagaag 240
gcagagatat ggcaaacagg attggcgctt ttgggtacat ggagtgttca gcaaagacca 300
aagatggagt gagagaggtt tttgaaatgg ctacgagagc tgctctgcaa gctagacgtg 360
ggaagaaaaa atctgggtgc cttgtcttgt gaaaccttgc tgcaagcaca gcccttatgc 420
ggttaatttt gaagtgtctg ttattaatct tagtgtatga ttactggcct ttttcattta 480
tctataatTT acctaagatt acaaatcaga agtcatcttg ctaccagtat ttagaagcca 540
actatgatta ttaacgatgt ccaacccgtc tggcccacca gggtcctttt gacactgtct 600
taacagccct cctctgcact ccacctgac acacca 636

```

```

<210> 165
<211> 519
<212> DNA
<213> Homo sapiens

```

```

<400> 165
ctgtagactt gacctcaaag attccatcct caatagttag gattgacaca tcaaaagtgc 60
cacctcccag gtcaaagatg agcacgtttc tttctgctcc aacctttttg tctaagccgt 120
aagcaatagc agcagcagtt ggctcattaa taattctaag tacattgaga ccagcaatag 180
ttccagcatc tttggtagcc tgacgtgtag agtcattaaa gtaagctggc actgtgacca 240
cagcattggg aacagtcttc ccaaggtagg cttctgcaat ttccttcata tttgtcagaa 300

```

```
<210> 166
<211> 266
<212> DNA
<213> Homo sapiens
```

```
<210> 167
<211> 266
<212> DNA
<213> Homo sapiens
```

```
<210> 168
<211> 567
<212> DNA
<213> Homo sapiens
```

<400>	168						
ctgacttctt	ttnaagttcc	cacattagga	cattgatcag	atgtgaattt	ttaattacaa	60	
tggcacttc	ttcaaacatg	tactcaaagg	tgatatttgc	ttttttcaat	gcttcagggg	120	
aaaaatcctt	ttctttacaa	acttccatca	gtttaggagt	cagtctgtat	gccttttagtg	180	
agagagatcc	ttgggcagtt	tttatgggat	cataaatgag	aacgacagat	tcttcaatgg	240	
catgctggta	actaaactga	gagtcacagga	gtgcccggt	aacgaatgag	ccatagtatg	300	
tggactgata	ccagcccacg	tgaagatgat	caatgtttac	atggcgaagg	ctccgcatca	360	
tttccatctg	atattggact	tcatcaaagt	cagcatcatc	ctctgtgtgc	tgagggaaaag	420	
gaaagcagtt	ggtaatttca	agccgatctt	ctacaaccag	acccaaaagc	actccttgaa	480	
caacttcagt	tcttgtcct	tcttcttgat	aatgnnngat	tatctttaat	accacaaggc	540	
catctatctg	cacttgcttc	acggntg				567	

<210>	169
<211>	272
<212>	DNA

<213> Homo sapiens

<400> 169

```
ctgttgcatg ccaagttttt tgtgtgtgtg aaacacttca aaactgattt aaaagatgta 60
aatttaaaga gaatgcaatt caaatcatgg agaattcttt ctaaagaaaa tttcaatctg 120
cttttttgat ctgggctcac ttaaatagtg tgatcgatct atcccttagc tgaacaaatt 180
atacaaagca gcatttagac ttatattcac totcaagtat caagaggttt tcagcctttt 240
cttactaact gagagattct tttttggttt tt 272
```

<210> 170

<211> 345

<212> DNA

<213> Homo sapiens

<400> 170

```
ccaggcattc tctccctgcc ctctctggcc tctgggggtca tactcacttc tttagccagc 60
cccattccct ccacccca cctgagttct tgcctcctcc ttttggggac acccaaaaca 120
ctgcttgatga gaaggaagat ggaaggttaag ttctgtcgtt ctttcccaa tccccaggaa 180
tggaacaaga gccaacttag aaagaagggt ctcacgtggc tggcctggct cctccgtaga 240
cccctgttct tttcaacctc tgcccacccg tgcattgtcat cacaacatt tgctcttaag 300
ttacaagaga ccacatccac ccagggatta gggttcaagt agcag 345
```

<210> 171

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 152

<223> n = A,T,C or G

<400> 171

```
aaacactgct tttagtatga tgtcaacacc agctatgcag aaagggctct ggagagatgt 60
tcatagcagc acacacctgc ggctcttctt cgatcctgga ggctccaggg cagccaatat 120
tgtatcgtca aatacattct tttttttttt tntttt 156
```

<210> 172

<211> 114

<212> DNA

<213> Homo sapiens

<400> 172

```
caaaagccct gcatttaata agtgggagat gtgggtcacag tggataaaaag gagcacacat 60
aaaacttttag agagggtgatt tcactagagg gagttttttt tttttttttt tttg 114
```

<210> 173

<211> 324

<212> DNA

<213> Homo sapiens

<400> 173

```
aaaatcactt tgggtggtgat tccaaattgg taccaagcaa actttctgga tgcccaacat 60
gattttcagt aaccaccctt tagagtatgt gtttactaag ttcaccacat tttgaacatg 120
```

```

gtagtttttag actgcaataa tatttagact tacattatta cttactgcta agtaaaatct 180
aaatcctgca aatgcacaga attcaagctg aaatataatg atttatgttt agctcacatt 240
gaagtattgg ttggttactt atgtattaat gcagtggtgca ttcacattta atcagggtta 300
gtctgtttct attttaataa tttt                                     324

```

```

<210> 174
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 239, 262, 360, 361
<223> n = A,T,C or G

```

```

<400> 174
cagacacaca ttctgttgac aagggaaaac cttcaaagca tgttttctttc cctcaccaca 60
acagaacatg cagtactaaa gcaatatatt tgtgattccc catgtaattc ttcaatgtta 120
aacagtgcag tcctcttttcg aaagctaaga tgaccatgog ccctttcctc tgtacatata 180
cccttaagaa cgccccctcc acacactgcc cccaggtata tgccgcattg tactgctgng 240
ttatatgcta tgtacatgtc anaaaccatt agcattgcat gcagggtttca tattctttct 300
aagatggaaa gtaataaaat atatttgaaa tgcaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
nttt                                     364

```

```

<210> 175
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<400> 175
ccttcttatt tagattcctt ttgatgtcct tccattttca gatatacagt tgcttttttc 60
ctctgggttt tgggaagggc acctctcaca tgacgatott atggcctgct tctggggaaa 120
aggatgggga aatgtcagag agtccttgca tatatcatct ctcaaaactc ttaatcttaa 180
atattcagta tgtcaagggt ccatattttg gggtagcatg tcctgagctc catcaacatt 240
aatgtaaaaa tatttagcct aatgcctggc acatatcaag agcttaagaa atgctgactc 300
taaaattatg acatctagga agatgtgggg cagaattgta aacttacctg ctaaattacc 360
tatgagctgc ccaccattcg ttaattatgg caataataat ggggtttatca tgctgtatcc 420
tcaactcttg aagcagtgtt ccttgtgctt agcagtaaat gttgcctaata ttggggcatg 480
ctggtgtgtc tgcagactgt tcttgtatgt ggaaaggtaa ctggcctgct tg                                     532

```

```

<210> 176
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<400> 176
aaacctaata tttttaatta aatgcctggt caacaaagct aattggaaca aacacattta 60
tgtaaattta cattctagaa tgccagggtg aacaaggaga cgttattcaa agatgaataa 120
gaaagttcta ttctttttca tcatttgtgt gatcagggtt caaaggacat gcttttctct 180
ttgcttttcc taagccactg cttcctgcct cttcaggaat ctgattctct ttttcagaat 240
ctttaggggg caacctaag aattctccaa ttcttttttg ccacttggga gttgggcgca 300
cgcaaacggg gttccctcct gcatatttat ttccagcttt cctcgatgaa actgatgtcg 360
aattagtggc agaggtggaa gaaccaagca cttttctggg ggctcgagca gccaccactt 420
ttctgtaagt gcctggaaca ctgtctgctt tagtccgcac catgttcaaa caagaagaga 480

```

ggagaggaga gaacgaactg acttcccagc cgagggtgtt tcac

524

<210> 177
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 177
 cgaagatatg cccatgtggt gttgaggaaa gcagacattg acctcaccaa gagggcggga 60
 gaactcactg aggatgaggt ggaacgtgtg atcaccatta tgcagaatcc acgccagtac 120
 aagatcccag actggttctt gaacagacag aaggatgtaa aggatggaaa atacagccag 180
 gtcctagcca atggtctgga caacaagctc cgtgaagacc tggagcgcact gaagaagatt 240
 cgggcccata gagggctgcg tcacttctgg ggccttcgtg tccgaggcca gcacaccaag 300
 accactggcc gccgtggccg caccgtgggt gtgtccaaga agaaataagt ctgtagg 357

<210> 178
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 178
 aaatgtcttg tttcccagat ttcaggaaac ttttttctt ttaagctatc cacagcttac 60
 agcaatttga taaaatatac ttttgtgaac aaaaattgag acatttacat tttctcccta 120
 tgtggtcgct ccagacttgg gaaactattc atgaatatat atattgtatg gtaatatagt 180
 tattgcacaa gttcaataaa aatctgctct ttgtataaca gaatacattt gaaaacattg 240
 gttatattac caagactttg actagaatgt cgtatttgag gatataaacc cataggtaat 300
 aaaccacag gtactacaaa caaagtctga agtcagcctt ggtttggtt cctagtgtca 360
 attaaacttc taaaagtta atttgagatt ccttataaaa acttccagca aagcaacttt 420

<210> 179
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 179
 cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccocactac ctaaaaaatac 60
 ccaaacatat aactgaactc ctacacacca attggaccaa totatcaccc tatagaagaa 120
 ctaatgttag tataagtaac atgaaaacat tctcctccgc ataagcctgc gtcagattaa 180
 aacactgaac tgacaattaa cagcccaata tctacaatca accaacaagt cattattacc 240
 ctactgtca acccaacaca ggcattgtca taaggaaagg ttaaaaaaag taaaaggaac 300
 tcggcaaata ttaccccgcc tgtttacc aaacatcacc tctagcatca ccagtattag 360
 aggcac 366

<210> 180
 <211> 187
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 177, 181, 183, 187
 <223> n = A,T,C or G

<400> 180
 ccagggtaaa taggcagtca acattttgat tcataanaga acaaatgacg agaatatatc 60
 agtatcaatg tcagagagtg caagacttag tgttctatac ataaaacata tgaaacagac 120
 ctataaagat ggaatgtaca aaatctaaaa agaaaacaaa gcaaaaaaaaa aaccccnttc 180
 ntnttcn 187

<210> 181
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 181
 ctgctagttg tgcttgctgg gataaatctt cgatcttggc ttccccaaaa actatgtaag 60
 tatctgaagc agggctcttg tagacatctg gttttgtgat gacaaagagg atattcttag 120
 atttccggat agtgactcta gtaactcctg taacctgccg aagacccagt ttggacatag 180
 ccttccgtgc cttcttttca ctccgactct gttttgcttt actgac 226

<210> 182
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220> '
 <221> misc_feature
 <222> 314
 <223> n = A,T,C or G

<400> 182
 ctgtattgcc gcagttctag cttcaccttc acgatgtttc ccttggtcaa aagcgacta 60
 aatcgtctcc aagttcgaag cattcagcaa acaatggcaa ggcagagcca ccagaaacgt 120
 acacctgatt ttcattgacaa atacggtaat gctgtattag ctagtggagc cactttctgt 180
 attgttatcat ggacatatgt agcaacacaa gtcggaatag aatggaacct gtcccctgtt 240
 ggcagagtta ccccaaagga atggaggaat cagtaatcat cccaggtaca agcttttttt 300
 tttttttttt tttt 314

<210> 183
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 183
 aaaaataaat agtaccactt ttctaagact gtacagttta caaataaggt ttttttcttt 60
 gttgttttcc tcttctatta agtttttagtg aaaagcctaa ttacagaaaa ttgtgcagat 120
 actagtgaag atactagtat aagttt 146

<210> 184
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 184
 cctaagtcac taaaaaattc tccctttgta acctcagtgc tggggactga ggcgagcccc 60
 ctcaggtcgc tggagtgcac cagtcttggg gaagaggtgc aggagaagct gtgtttttta 120
 tctccacacg cagtatgaag ataaaattac atagtattac ctagacatag acagtattac 180

```

ctaggtagat gcactgctca cctgcaccct tcccagctct catttttggt aggtgatttg 240
ggatagggat agtgttttgg ggtatggggg gagtgtttct gacctgcttt gcagacgtgc 300
ctccgcacct cagcagtttg ggggtgtggc ccagggcggg tcttgatgtg aaaagatgtg 360
g 361

```

```

<210> 185
<211> 462
<212> DNA
<213> Homo sapiens

```

```

<400> 185
aaaatactac atgacattct gtctattcaa tcacctgggtg gtcattctttc ttgtactaat 60
taactgttga tgagcatttt ggatattcta ggagaaagcc tataatttca catagtttct 120
ctttttcatg taactgtaac ctaaattgat tactttctgat aaaactatat atcaaattgc 180
actgcaaatt agttttatat ctgtcatgtg agatttgtct tacttatttt tcttttggtt 240
gccatggaag ttatggccct gaaaatcgtc tccctcccct tctcttgctg tacagcatgc 300
gttctctttt tgtggttgcg ggctgggtac tgtattttaa gaagtagaga atagcacttg 360
caaaaataca gtcttggtac ctagagactg tcatgcagat agtataattt ggtatatgtg 420
ctaattgcatt gagtagagga ttattttaa acactatttt gc 462

```

```

<210> 186
<211> 178
<212> DNA
<213> Homo sapiens

```

```

<400> 186
aaatgcattc ttcacaagta attcagcata tatttttata tcatgtttac ttatgcttaa 60
gaattaaagc aagtatatattt attactctga tggaaatgtg ggaaatctct cattcatgca 120
atatacaggg ataattattca agcgaaggga aaattcccgc tttttatttt tgtaaattg 178

```

```

<210> 187
<211> 269
<212> DNA
<213> Homo sapiens

```

```

<400> 187
ctggaggcca tctcctctgga ctaccagggg cggcaggaga tcttcctgca gcgccatgga 60
cccctatctg tccacatggc ctgcctctcc ttcttcttcc tggctgcctg cagtgtctgcc 120
accgcagccc ttctgaggca caaagtcaag gccagactga ccaagaaaaga ttcttgaggc 180
tggcaagtgg ggcaacgtgt ggaggaagcc cctcataatt tggagaaaac ttgatacaat 240
agaagctgac ttttaaggca ttggctttt 269

```

```

<210> 188
<211> 564
<212> DNA
<213> Homo sapiens

```

```

<400> 188
aaaatattta taaatatgcc ttaaagaaat acaaattgata acaattacat accgtattta 60
cttgcttaaat ttctctctgta tttgtgtaga tacttttgaca tggaatatat ggtggggaga 120
cccgtagtgt taccgccccca gtgggagggg gccctgggga ccttggtaat gcttttagtca 180
aagggatata tctcttgat cagaggctgt gtcttttagt aacaggagtc ctgctcagaa 240
ttgcgtgtct gttgtctcta aaagaatggg tgaaccaatc ggcctttgtg aatttattca 300
gtgccttctc tgtaccaagc actgggtaag gcacttttgt ggagcattag acagtaacco 360

```


ccagtgccac gttacagccc agagtgagtt ctacaagcgt tgctggccta atggatgggc 420
 tgggggaag 429

<210> 196
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 196
 ctggggccgc agtcggacct ggtgagatca gaggaggggg tgccaccagt ctgtggacga 60
 agatgagaag ctggaataga gcagaaaaca ggaggctgcc actctccatc tttcccaaag 120
 tcaactccagg agcaaggggtg tcattttactg aaatgacaga ctctccatct cacttttttc 180
 cccaagtgc agagtgcagg gaagcagatg ggctaaattt ttagagtcag ggttattaat 240
 gtatacttta catagtaaac tttcccttt taagtgtgca gg 282

<210> 197
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 197
 gccaacatgc catccagact gaggaagacc cgaaacttag gggccacgtg agccacggcc 60
 acggccgcac aggcaagcac cggaagcacc ccggcggccg cggtaatgct ggtggtctgc 120
 atcaccaccg gatcaacttc gacaaatacc acccaggcta ctttgggaaa gttggtatga 180
 agcattacca cttaaagagg aaccagagct tctgcccac tgtaaacctt gacaaattgt 240
 ggacttttgt cagtgaacag acacgggtga atgctgctaa aaacaagacg ggggctgctc 300
 ccatcattga tgtggtgcga tcgggtctact acaaagttct gggaaaggga aaagctccca 360

<210> 198
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 198
 ccagtatgtc cccaggatta tgtttgttga cccatctctg acagttagag ccgatatcac 60
 tggaagatat tcaaatcgtc tctatgctta cgaacctgca gatacagctc tgttgcttga 120
 caacatgaag aaagctctca agttgtgtaa gactgaattg taaagaaaaa aaatctccaa 180
 gcccttctgt ctgtcagg 198

<210> 199
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 199
 ggccacatgt agacagctag gtcagtgttt tttcctctta gggtttcttt gcagaaagaa 60
 acctccagca agggaagaga ggtgtgtgtc cacaggaagg ggctccgtgg ggatcccatg 120
 aagggatttg agctctttca gctccatgtc atttaacttt tttgtttaac cactttggct 180
 ttctctcttt ttttctgtc ctcttacgg accagttacc agattcagag gctaatagtt 240
 agttacttgt taatgctagt cacagccagg aggtcagaag gaattttcta ctcttgatc 300
 caaatgttac ctcttagggg aagttagtgc ccctcaacta ttgtcttatt ataataaatc 360
 tttccttttt ggtcctttta agtaaccact caaaactttt catttcactg aa 412

<210> 200
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 200
 ccaacaggta tataaaaggg tgctcaacat aattaatcat caaggaaatg catataaaaa 60
 ccactcgaag tactatctct caccagttag gctagctgtt atcaaaaaaa acaaaagaca 120
 acaaatgttg tgatgggtgtg gaataaaagg aactctgtgc actgttggtg ggaatgtaga 180
 ttggtacagc cattatggaa aacagaatgg aagtttctaa agaaaaataa aactaccata 240
 cgatccagca atccctcttc tgggcatata ctcaaagtaa atgaaatcac caccttgtaa 300
 atatatctgc agtccgtgtt cattgcagca ttattcatag tagccaacat ggagacaact 360
 gaagtgtccg ttgacagatg aataaagaaa ctgtgtatat atatgcctac acacaatgga 420
 atattattca tccctaaaaa aaa 443

<210> 201
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 201
 ccaaggctcag aggctgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60
 ctgggcaactg cccagagtga tggcattggt ccggatgctg ttctgtctct gcttggacac 120
 cttcgcaaag atttctttca ggacagcttc aaaggctagc tcaacattgg tagagtccag 180
 ggctgaggctc tccgggaaga gcagtcatt gtttccagcg aacattcggg cctcctcagt 240
 gggcacttcc cgggcctggc tgaggctact tttgttacc acgagcatga cgacgatcgt 300
 ggcttcagca tggctcataga gctccttcag ccacgcctcc accacagcat aggtctgggtg 360
 cttgggttagg tcaaacacca ggagggcccc cactgcacca cgatagtacc cttgaagaca 420
 aagttataat cttcctcag 439

<210> 202
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 202
 aaatgcaactg acatttttat ttcttgcaac ccgagttaaa ttcacgtttc atttcctaca 60
 gaatgcaaaa aagacatcca caaggcaact ccacttctaa gttacaaatt actagatgtt 120
 agaaaacttt ctgcaaggac agtgcaactat tttttatttt ttgagacaga gtcttgctct 180
 gtgcgcttgg ctcaactgaa gctccgcctc ctgagttcac gccattcttc tgcctcagtc 240
 tcccagtagt ctgggactac aggcgccccg caccatgccc gactaattct ttatattttt 300
 agtagagacg gggcttccact gtgttagcca ggatgggtct gatcttctga cctcgtgac 360
 cgctgcccc ggcttccaa agtgctgaga ttacaggcgt gagccaccgt g 411

<210> 203
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 203
 cactgagcca gcaggtgcca gggagccact cgccccccat agcttctgca cacctcagac 60
 tcaccccatc accttggcag caaagcactg gctctgccgt ctgacccctg atccaggcag 120
 cccctccgc agagaaaagg gttggggaga agcctctgca gtccctggaag atgtgggggtg 180
 ctgggtgaga ggcacagcc ccacaagta tgtttttgtg tcttaagata gcagtttact 240

ttgaaaaagt gaaaaaggct tccgggctgt cctctgcca gtgagatgga ggacgctaga 300
 gaaagtgctg agtgtcccga gagaggcccc cgagccagtg catggagggtc ctteggcctg 360
 gctcag 366

<210> 204
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32, 339, 363
 <223> n = A,T,C or G

<400> 204
 cctgtgccat ctggttccac attcagggcc tncactatgc catcctgtac caccatggag 60
 aacctcttga gacgtcgatt cccaaagatg gacaccagcg aatcatctag taataagtct 120
 gtctccttcc caaaggcccc agtgggatca gccaggagcc gaaccttgcc ttccgccttg 180
 tgggctcggc cccactcgcc agtcacaaag gcatcattaa cactcagaca ggccaccacc 240
 tggactccct tggccttcag agcctcagcc tgctccacaa accctggcag gtgtgtcttg 300
 gaacatccag ggggtgaaggc cccaggaact ccaaacagna cacccttctt gcccttgaac 360
 agntctgccg ggttcacctt gtccctggc tcccttcaa acacctccac tgctgggatg 420
 g 421

<210> 205
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 205
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
 cacatagtcc tcaaaagcag tgatctgctc ctccagcata totgttccaa ctttatcatc 120
 ttcaactaca cactgtattt gaagtttctt aattccgtat cccactggaa ctagttttaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgccat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta gcctctttgc 360
 ttcttcactt tctcctcat catcagatcc aaagagggtca atgtcatcat catctttact 420
 atctgtagct ccacttcctg tagtgtcttc cacatcggca ggaccatatt tgcccaaagc 480
 tttcttcact cctggcaggc tggccttttc cttttcgtaa gacttgatgt gattatacca 540
 acgtagggca tgacacaagt c 561

<210> 206
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 206
 ctgagaattc gtccgctccc gaggetgagc agggcggggc tgagtaaatt ccggcttacc 60
 atctctacca tcatccggtt tagtcatcca acaagaagaa atatgaaatt ccagcaataa 120
 gaaatgaaca aaagattgga gctgaagacc taaagtgtctt gctttttgcc cgttgaccag 180
 ataaatagaa ctatctgcat tatctatgca gcatgggggtt tttattattt ttacctaaag 240
 acgtctcttt ttggtaataa caaacgtgtt tttt 274

<210> 207

<211> 554
 <212> DNA
 <213> Homo sapiens

<400> 207
 cctgggtggg cccttgcccc ctgcaacaca ggtcagcgcc aacccccacc tgggtctgggc 60
 ctgatcaagt ggggagagga gcctttgcag gctgaatttt cgcagcatgg acccagaact 120
 tccaatacta tgttgaatag gagtggtag agaggcatc cttgtcttgt gccggtttcc 180
 agcttttgcc ccttcagtat gatattggct atgggtttgt cataaatact cttattattt 240
 tgagatatct tccatcagta cctagttgat tgagagttt tagcatgaag ggggtgtgaa 300
 ttttgtcaaa gaccttttct gcatctattg agataatcat gtggtttttg tctttgggtc 360
 tgtttatatg ctggattaca tttattgatt tgtgtatgtt gaaccagcct tgcattccag 420
 ggatgaagcc cacttgatca tgggtggataa agctttttga tgtgctgctg gatttgggtt 480
 gccagtattt tattgaggat ttttgcata atgttcatca gggatattgt tctaaaattc 540
 tctctttttg ttgt 554

<210> 208
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 208
 ccatcattga gtatctagag gagacgcgtc ccactccgcg acttctgcct caggacccaa 60
 agaagagggc cagcgtgctg atgatttctg acctcatcgc tgggtggcatc cagcccctgc 120
 agaacctgtc tgtcctgaag caagtgggag aggagatgca gccgagctcc acgctgatct 180
 gaagatacag gagagggacg aactcgctg gaagaaacta aagcttgacg gcttggacga 240
 agatggggag aaggaagcga gactcatcag caacctcaat gtcattcttg 290

<210> 209
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 209
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatagt gttgaagtgt 60
 tggggtgggtg aaaatttttg aggggtggta gggagagaga atgggcgatg tttctcaggg 120
 ctgcttcaag tgggattagg ggcagcgtgg gaacctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaaaggg tgatattgtg gggatgtaag aagaaacatt tgtcatatag 240
 aatgattggt gatggcctgg atacggtttt ggatgaattg agaaaactaaa tggaataaca 300
 gaaggagaaa aacaggtata aaaggtctaa gaattgggag gacctaggat atctgattag 360
 agagtgccta aggagattca gcagagtcct gccagcaaag attattttatt tacttcaaga 420
 gtt 423

<210> 210
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 236
 <223> n = A,T,C or G

<400> 210

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ctgcacatca aggacatctt cggaagttc aggattgccg tagctaaact gaaaaccacc 60
atccatggac tctccaaacc aaacgtgttt cttctcagca ctagaatctg tccaccagtg 120
tttccgtgga acattcaaag gattggcact tatgcatgtt tccccagttt ccatattaca 180
gaataccttg atagcatcca atttgcatcc ttggttaggg tcaaccaggt attctncaact 240
cttgagttca ggatggcaga atttcaggtc tctgcagttt ctacgggggt ttttacgaga 300
accatcagga ctaatgaggc tttctatttg tccattaaca gacttgagtg aagtcataat 360
ctcatcggtg ttgattttga aatccattgg ttcattctcca taatacgggg caaaactgcc 420
agctttttca cctccaatcc cagcaatggc agcggtctcca ac 462

```

```

<210> 211
<211> 589
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 540, 582
<223> n = A,T,C or G

```

```

<400> 211
ccacaggggc tcacctgggc cccatggctt ttcacctaag tgggtcctgc cccctcccc 60
atgaccttca ggagcacccc atattatttc caaaaatata ttggacagac aaggacccaa 120
atgcaaaaat ctcagcggac tcgataatct gcctgctgat gttccttctg tggctgtgtc 180
tattttcagt tctgctctaa cacggcatgc cttttctcag cccaggaaac agcatgtggt 240
tcagagaaaa gagcgacaag gaaaagttag gactcctgag gtccgaacag gggcttctgt 300
tgcccacttc acaacaccca gtgatcaccg gtgtgcaatt gcctccttgg ctctgaggga 360
tgttttgcgc tccctttttct catcattggg gttagcgggt gcagacaaat tcagcaatag 420
tatgcagatc agcccctcac cacctcattg ttctcatctg gaactgaaac tttctggatt 480
tctcttgaag tgctacactg cactgaatgt aaggaattgt tgcttggtga agtttctcan 540
cgttttctggc tgtcttaggg ctggcctcag aaccagcat tncgtgttac 589

```

```

<210> 212
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<400> 212
ctggatacga ttcaggggtga actaaatgca cctactcagt tcaaggtaac cacttctaag 60
accataatcc taaaatttgt ttcaggtgga tctgcagaca aaaagttatg taatcttcaa 120
gcaggaatct tgtatacttg tgtttcttat ctccaattag aacttccttt ctaaagtaaa 180
ctcagtcagt gttcttttgg ctagtattag tgtttcgaat ataatgtaca gagagagaaa 240
tagaaaatct taatagatgg ttttgaaacc atcctttcag aagaaaacat tgtcttttac 300
aagtcttcgt cggcagttgt aatttgactc agtcttaact tttagggccg actaaatgaa 360
ttgatgtctc aaatcaggat gcagaatcat tttggagcag tcagatctga agaaaggat 420
tacatagatg cagatctgtt acgagaaatc aagcagcatt tgaaacaaca acaggaagg 479

```

```

<210> 213
<211> 264
<212> DNA
<213> Homo sapiens

```

```

<400> 213
ctgccttctt cttgacagct tcttttagagt ctttttgtag ttgtacctgg gccagcttcc 60
aacggttgct gatttcatag attttggttg atggatcgaa cttcgtctgc tgagagacgg 120

```

gagcacgggtg tcccagtgag ggcagaaaca tcctaaatgg attttcaaag gactccatga 180
 tgttctgggc ttttttctgt gcaactgtca atggaccctt tttactgtct tcagcactag 240
 gttcattaaa taacgtgatg acag 264

<210> 214
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 214
 ccaacatggt gaaaccccat ctctactaaa aatacaaaaa aaatattagc caggcatggt 60
 ggtgcatgcc tgtaatccca gctacttggg aggctgaggt aggagaattg cttgaacctg 120
 gaaggcggag gttgtagtga gctgagattg tgccattgca ctccaacctg ggcaacaaga 180
 gtgaaactcc atctcaaaac aaaaacaaaa ctagacagc 219

<210> 215
 <211> 586
 <212> DNA
 <213> Homo sapiens

<400> 215
 ccacctcaag atgaaaacag ataactccct aaatgttaac tggctctact cccctaatat 60
 taaacataaa aaccacatgg gaaatataga aattcaaata gaagtaacat aaacctgtca 120
 taaatcgtaa acaaaaaact atttgtggga cagcatggat gacaaatggc ctactgtgta 180
 aatttttagaa tgaggcagac aaaagttaga aggccgggta attttcccct cttctctctg 240
 cttcagcttc gtctccttgg gtatccgatg tccacaatgt caagtgtgtc ctcagtaatt 300
 gcattattag cgtgctgtct ttgtatgact cttcacttaa tgtatcaagt tcagcaatgg 360
 cttcatcaaa agctgtcttt gcaagagagc aggccttctc tggggagttc agaatctcat 420
 aatagaacac agagaagtta agggccagac ccagtctgat aggatgtgtt ggttgcaatt 480
 cttttttgct gatttcaaaa gcttcttggg atgcttgttg tgactgatcg acaatccctt 540
 ttttgtcatc accagcggca acctcagcca agtaacggta gtaatt 586

<210> 216
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 216
 aaattcttca ttttaccagc aactgctgac atcaaagtct cccctccccc aacaacaaaa 60
 atacaattaa aaaaaataaa taataaagtc atttgtgatc gttgctgtgg ttctgagctg 120
 caaaggcact ttcaaataca gaactacttg tacgtcatca taaaaccaat atacaaaaac 180
 aactcaagag tcaataaata taaataaaac tatgatctaa gactgcatca ccattaggac 240
 atctggcaga agtgggagct caaagaccag ggggctgggc aggcctctgg gagcctgac 300
 cgagaccgtg tcggctgcaa ggggacacac aaccagggta ctgttgacta gctttttgca 360
 tagctgtgag atgcggcact cgatttccca gcccaaccaca gaaactacca ttgccagtggt 420
 aagccagctt gtcaaaactt aaattaacac agggattcta agtcagcaac ggcctcagac 480
 tcgagtatga cagcacagtt t 501

<210> 217
 <211> 62
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 43
 <223> n = A,T,C or G

<400> 217
 aacctactag agtctcaata tctgctgggt accaccattt agntacaaga gaaatgaatg 60
 aa 62

<210> 218
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 218
 aaatctttgt cattcacaga cagttgtttt gcttcttctt taaagcattt gcaacagcta 60
 cagtccaaaa ttgcttcttt accaaggata ttacagaaa agactctgac cagagatcga 120
 gaccatccta gccaacatcg tgaaacccca tctctactaa aaatacaaaa atgagctggg 180
 cttgggtggcg cgcacctgta gtcccagtta ctggggaggc tgaggcagga gaatcgcttg 240
 aacccgggag gtggagattg cagtgagccc agatcgacc actgcactcc agtctggcaa 300
 cagagcaaga ctccatctca aaaagaaaag aaaagaagac tctgacctgt actcttgaat 360
 acaagtttct gataccactg cactgtctga gaatttccaa aactttaatg aactaactga 420
 cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt catgggacta 480
 aatgaactaa tgaggataat attttcataa ttttttattt gaaattttgc tgattcttt 539

<210> 219
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 157, 163
 <223> n = A,T,C or G

<400> 219
 aaaatggtgc cctaccattg acacatgcag aaattggtgc gttttgcttt ttttttctt 60
 atgctgctct gttttgtctt aaaggctctt aggggttgacc atgttgctgc atcatcaaca 120
 ttttgggggg tgtgttgat gggatgatct gttgcanagg ganaggcagg gaaccctgct 180
 ccttcggggc ccagggtgat cctgtgactg aggctcccc tcattgtagcc tccccaggcc 240
 cagggcctg agg 253

<210> 220
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 220
 ccagccggta tggccggctc tgcttgatgt ccacgctggt gatgactttg ttgtgtcctg 60
 taatctcgcc cacagaagag ccactatccc agaggaagac tgctccaaac ttctcccttc 120
 ctccccgac cacggcgatc ctcttactgt cttcagtcca agcaatgtct ttgatcttcc 180
 cagcgaaagg ctggtactca tacttcaaca ggtgctcctt ctgctgggta tcccagatcc 240
 tcagcttccc agacacatct ccggaggcaa tgtagaatcc gctggggcgca tacttgg 297

<210> 221

<400> 221

 $\langle 210 \rangle$ 222

<211> 548

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 303, ⁻304, 374, 377, 451, 540, 542

<223> n = A, T, C or G

 $\langle 400 \rangle$ 222 $\langle 210 \rangle$ 223

<211> 546

<212> DNA

<213> Homo sapiens

<400> 223

ccacttccat	gccctctcca	gaccaggaga	cacctgctgc	tgacctcgtg	gaaaacttag	60
attttgacat	tctgatgctt	cggaagtgg	ggctcctcct	ccctcacccc	tccgccacct	120
gtgggcctcc	tctctgcctc	tcaagagaac	aaccagatct	ttggactcct	gggggtgtgtg	180
ccatgcaatt	tagacgaagt	gctttgaaaa	tatgccattc	agtctctgac	taggaaaata	240
agtctgacct	gataggtctg	atgtcatcag	ctcttcaaca	tgagacaaaa	gaggggattt	300
tatgttttga	gtcattagaa	tgatataata	atcttctgaa	ttgacatctg	gatgttgaaa	360
ttaggatgg	gcaaaagggg	tccagggcct	caggctgggc	gcagcagcca	gctcccaatg	420
acgcagaagc	tgtttcaaaa	ccccctcaac	aaagaggggc	acatgcaagt	caccaaagtg	480
ggaagccttc	accaaggcca	cacccaaagt	ctactgattg	tctgtctaaa	gttcgttgat	540
tcctgg						546

<210> 224
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 428
 <223> n = A,T,C or G

<400> 224
 ctgaaccctc gtggagccat tcatacaggt ccctagttaa ggaacaagtg attatgctac 60
 ctttgacagg ttagggtagc gcggccgtta aacatgtgtc actgggcagg cggtagcctct 120
 aatactgggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
 tcctttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
 taataatgac ttgttggttg attgtagata ttgggctggt aattgtcagt tcagtgtttt 300
 aatctgacgc aggccttatgc ggaggagaat gttttcatgt tacttatact aacattagtt 360
 cttctatagg gtgatagatt ggtccaattg ggtgtgagga gttcagttat atgtttggga 420
 ttttttangt agtgggtggt gagcttgaac gctttcttaa ttggtggctg ctttttagg 478

<210> 225
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 225
 cctcgtgggt catgggcccgg tagtcctggg gttcacagaa gttcgggtgc tgaggggaaga 60
 actccttgta gccgcctttc aggatataca tctcagggtg gtagaggctg gggtagtcgt 120
 tgacagcacg gtctcgttcc ctgatgaaac ggcacatgcg gggcccacgc tcagatgaga 180
 attcacagtg gaaaatgagg atgactctct tgtccaggct acagggcgcg atggggctct 240
 tcagtaggaa gctctcggcg tcgcgttcca ggggcaagtt caccgcagtc ttgatgtgcc 300
 cgccttcata ttcataagggt tatctgcagt ctacaatcac aaacttatcc acgatgttgc 360
 tgaacttgcc cgtcaatagg gccaccatcg tttctggtga gatgtacttg aggtcttggg 420
 gctttccgct tactgtctgt aggaggaagg 450

<210> 226
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 226
 cctgtgtcca ccacacctgg gatcattttg atagctgtat tcaacttcaact ccatttgtgt 60
 acccgggtcaa acttccagtc caagataaaa ttcccattat ctgtcaccac aggaccagcc 120
 ttgttgacag ccattcgaag ttcaaccacg ccccaaaact tctgggtcac agctcggctc 180
 actgggacat aggccattgg gatgacctcg atggggattc ccttgtgccg ctgatccccg 240
 agattcttcg aatcttttct gaaatcagcg atcacgatga agcgactagc atagccagcc 300
 acaatcttct cctgggtcag gcagcctccg ccacccttga tgagattgag atcagcatct 360
 acttcatcag caccatcgat ggcaaggctg atctctgggt gtcgatccag atcaactgagg 420
 gtcaagccat actgcaggat gagctggcg 449

<210> 227
 <211> 568
 <212> DNA

<213> Homo sapiens

<400> 227

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ccttcatttt agctaagttt agaatttata ttaggcaact atgatttgag tggttattca 60
ttgagtaatt ttccactata aagaatttta ttgaacattt attaaaaaat aatgtaatgc 120
atgggtcaaaa aatatgtaat tcatggctcg gacactgacg ttgtttaggg atttagtcat 180
caaggacagc cctctgttgt ttctaatacc gtactaatca agactgtatg gacacttgca 240
tcttaagtac taaggaatta ctagtgttg ttttatttta tccatgtact ctttttagtat 300
ttaataatta aatacctatt cttagtgttt gacactccat atttcctttt tttggaaatg 360
aaacaaatat gcagtcctaaa attcaggaac tactagagtg aaatgatatt aagtggaaac 420
cagagataaa tgctgtttaat ttaacaagta gattcttctc caaagaatga tgagtgattc 480
ttgggaagat aaatgttaat gttcccaata gtcaagcttg tcttgacagta gtgaaaagct 540
tagatgagta cggatacctc atttgaaa 568
```

<210> 228

<211> 580

<212> DNA

<213> Homo sapiens

<400> 228

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ccaggctggt tttgatctcc tgacctcaag cgatccactg tccctggcct cccaaagtgt 60
tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180
aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctag gtaggtttac atccatcatg ttcctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgacg 420
cgatgctcaa ggatcggtcc cacgttcacg ataggatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaataagac tctaggggct ccagataata aggggtgaagc aagaagcatt 540
tcatttgcac atctttcttg gacttgggat atacagttcc 580
```

<210> 229

<211> 228

<212> DNA

<213> Homo sapiens

<400> 229

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ctgcctgagg aagttgatct cgtcggctcag cccttccagg cgagactcca gctctacctt 60
gttcatgtaa gtttcatcca cctccttctt gatgaggaca aattcgttct ccatctctgt 120
acgcttattg atctcatcct catacttgtt cttgaagtcc tccaccagcc cctgcatgtt 180
gccaaagctc gcttccagct tcagcttctc ctggcccaga gtctccag 228
```

<210> 230

<211> 149

<212> DNA

<213> Homo sapiens

<400> 230

```
ccatattgac agaccaatct atgggactag ggggattggc atcaagttga cacccttgaa 60
cctgctatgg ccttcagcag tcaccatcat ccagaccccc cggtcttcag tttcctcaat 120
catagaagaa gaccaataga caagatcag 149
```

<210> 231

<211> 503

<212> DNA
<213> Homo sapiens

<400> 231
ctgctgtggt tgcctccatt acaacgggct atacggtgaa aatcagtaat tatggatggg 60
atcagtcaga taagtttgtg aaaatctaca ttaccttaac tggagttcat caagttccca 120
ctgagaatgt gcagggtgat ttcacagaga ggtcatttga tcttttggta aagaatctaa 180
atgggaagag ttactccatg attgtgaaca atctcttgaa acccatctct gtggaaggca 240
gttcaaaaaa agtcaagact gatacagttc ttatattgtg tagaaagaaa gtggaaaaca 300
caagggtggga ttacctgacc cagggtgaaa aggagtgcaa agaaaaagag aagccctcct 360
atgacactga aacagatcct agtgaggat tgatgaatgt tctaaagaaa atttatgaag 420
atggagacga tgatatgaag cgaaccatta ataaagcctg ggtggaatca agagagaagc 480
aagccaaagg agacacggga att 503

<210> 232
<211> 253
<212> DNA
<213> Homo sapiens

<400> 232
ccaggctggt ctcaaactcc tgacctcaag tggctccacc gactcggcct cccaaagtgc 60
tgaggattaca gttgtgagcc accatgccca gcccccact tgtaaaacttc ttaaattgcag 120
gaactgtatt ttattaatct ttgaatcaat attatctagc accatggcta gttaattata 180
tatgcttcat aattacctct ttaaaaatct taaaattgag agatgagttg aggggtctaaa 240
ttgcctttca act 253

<210> 233
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 442
<223> n = A,T,C or G

<400> 233
ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
ctttttgcca gcaccaacat tggcctttgc agtccccctg actttcttca ttctgttctt 120
gcgttccttt cgttgctttc ttgaggtctt tttcttctca tacaggccat gtcttgcaag 180
tctatgtttg ggttcatttt tctttgcata atccagggaa tcataaatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccgggtg 300
ggtcttgtac attttggtc gtttttcccg aatttctgtc ttaggcactg tcgccttccc 360
ggggtgaagg acatcaatga ccatttgttt cctctgaagt agtcgggttg gtcatgaact 420
ttctagtgcg gatagttacg gngtcgttca tgatggcgat ctatcttc 468

<210> 234
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 34, 39, 79, 217, 225, 309, 328

<223> n = A,T,C or G

<400> 234

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ctgaaggagc cggggagcag aaagtatatg cgtnaggtn  gaggaagaaa atagattttg 60
gaagttatga gaaatgtana gagtgaagttg agcatagttt gtgattttga gggcctctaa 120
cagtattaaa gtagcggcag tcgctgcaca cagacatgat ggctaggcta aaacaggaag 180
gtcaagttgt ttggacagaa aggctacagg gtgcagncct ggctnttggt taagaattct 240
gaccacacta accatgccta ggaaggaaaag gagttgttct tttgtaaggg attgaggttt 300
gggagattna tcggacaccg atcagcangg agagcacctg tgtttttatg agaa 354
```

<210> 235

<211> 538

<212> DNA

<213> Homo sapiens

<400> 235

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aaaaaaagca acttccaggg ttgtcattgt acaggttttg cccagtctcc tatagcatgg 60
tatagtata actgattttt tataacaatg actcagaggc attgaagatc cataactatc 120
ttctgaatta tcacagaaaag aagaaagtta gaagagttaa atgttaagtg tattaataat 180
catattctaa ttcttttaat ttggttatct gagtatgata atataggaga gctcagataa 240
caagaaaagg caattgggta gaacactcca ttcccacagg atgtgcatta acagactttt 300
tactgcatat gtctttatat agtttgcaaa ctaattcaac cattttacac agcattaatt 360
ttttttttta ctgggttgac attgggctga aacatttgct tatcatctta taattatttt 420
ttctgttct ttaatggatt ttacccccat ctgacatagt gtttggaact tagtgtatgt 480
gacacttcaa gatcatctct gccattctg atgatagtta caatgagggt acccatgg 538
```

<210> 236

<211> 411

<212> DNA

<213> Homo sapiens

<400> 236

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ctgttaaaaa tgactacgag atgaccttca ataacgagac ttccgtcatg cctgtgagg 60
acgaccatca ttacctacg gttcagtttg atttcacggg gattgatgac ctcgagaaca 120
agtcgaaaga ctcaattgta gacatcatcg ggatctgcaa gagctatgaa gacgccacta 180
aaatcacagt gaggtctaac aacagagaag ttgccaagag gaatatctac ttgatggaca 240
catccgggaa ggtggtgact gctacactgt ggggggaaga tgctgataaa tttgatgggt 300
ctagacagcc cgtgttggt atcaaaggag cccgagtctc tgatttcggt ggacggagcc 360
tctccgtgct gtcttcaagc actatcattg cgaatcctga catcccagag g 411
```

<210> 237

<211> 372

<212> DNA

<213> Homo sapiens

<400> 237

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ccactttctg cccagggagg aggcattcct ggagaggcta gtgtgcattc atgtottccc 60
atctgacaga gtatcctgaa atcagaccaa gtcctgaaaa cttccaaaat gggaagtatc 120
tgggaaaatg cactcttccc tctcctgtag ggtctcgtec cgcttctgag gtgtgggtggg 180
tctggagaag tctgtagaga agcactgcgc ctttgacgtg tcttctgaag aagaagaggc 240
gggatctcat ttgcttttga ggagtcgggt gttcctggtc acggtcgcat gttgtcacga 300
atccagtcta ggtagtgggt aaccttgggt tacacaccg ggacatcctt ctgtccacag 360
cccaggcccc ag 372
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<210> 238
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 238
 ctgctcagag tctcccattg gtcagatgag aggtggggat gtgacaaggc aggtctgttta 60
 gcacagtgac atgagcactg gcttttagagt ccactgagct tgaattccat ttccgccact 120
 tgttagctga tgtccttgag caagtgacct cacctctctg agcctttgtc tcatctgtaa 180
 gatgggaatg atagaaaaca tgcctcatgg gacttttcaa ataactaaaa gtagaatgtc 240
 cattcaaccg agcaatccca ctactcggta tctacccaaa ggtaaagaaa tcattctatc 300
 aaaagacacc ggcaactcgtg tgtttatcgc agtacgattc acaatagcaa agtcatggaa 360
 tcaacttaag tgcccatcag tgtgaactgg ataaagaaag tgtggtatat ctacaccatg 420
 gagtattatg cagccataag aaagaatgaa atcatggttg cag 463

<210> 239
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 239
 aaatgtctgc atgcagccag ccatcaaata gtgaatggtc tctctttggc tggaattaca 60
 aaactcagag aaatgtgtca tcaggagaac atcataaacc atgaaggata aaagccccaa 120
 atgggtggtg ctgataatag cactaatgct ttaagatttg gtcacactct cacctagggtg 180
 agcgcatgtg gccagtggtg ctaaatgcta catactccaa ctgaaatgtt aaggaggaag 240
 atagatccaa ttaaaaaaaa ttaaaaccaa ttt 273

<210> 240
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 240
 ccaccggggg tgacctctct cgctagcagg gccaccagg ctcaactccc gcgtcttcca 60
 tccccctctag gattccatt gtcccctact ccagcactag gcaggcacc ccagcccact 120
 gcgactccca ccacgaagga cccagccct ctctcagcca acacggcccc gccaccgctc 180
 tcagacatcg tgcttcttct ggtggggccg gagtctctcc tcgtcgtcga aggtctgg 238

<210> 241
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 241
 cctacacgcc gccgcttgtg ctgcagccat gtctctagt atccctgaaa agttocagca 60
 tattttgcga gtactcaaca ccaacatcga tgggcggcgg aaaatagcct ttgccatcac 120
 tgccattaag ggtgtgggac gaagatatgc tcatgtggtg ttgaggaaag cagacattga 180
 cctcaccaag agggcgagg aactcactga ggatgaggtg gaacgtgtga tcaccattat 240
 gcagaatcca cgccagtaca agatcccaga ctggttcttg aacagacaga aggatgtaaa 300
 ggatggaaaa tacagccagg tctagccaa tggctctggac aacaagctcc gtgaagacct 360
 ggagcgactg aagaagattc gggcccatag agggctgcgt cacttctggg gccttcgtgt 420
 ccgaggccag cacaccaaga ccactg 446

<210> 242

<211> 465
 <212> DNA
 <213> Homo sapiens

<400> 242
 aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
 ttagatctta ttcatacagc tgctgaacag ttcctttttc agagacatag ataccatcca 120
 aaaatttcct gatatacctg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
 ctgaacaagc aacacctggc ctcataccga ccctgcggat gtatttttca cccaagaaat 300
 ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg gaagtgaaca 360
 tacacagacc tcatcttgta acggaagccc agtgtaaacac ccttgatcat gttctgtaca 420
 tgactacaaa tagtccgaac ggtagccagt tcctttctgt tacco 465

<210> 243
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 243
 aaaaatttta gcaggaaaac aaaagccaaa ccttgaaaag tacgatgata ctactgactg 60
 gcaggagatt ttgacttatt tccgtggatc tgaattacaa aattacttta caaagattct 120
 agaagatgac ctaaaagcca tcatcaaacc tcaatatgta gaccagattc ctaaggctac 180
 aaaggggaca gtgggatcta ttttgaccg aaaagatgaa acaaagacac aggcaattgt 240
 atgtcagcag cttgatttaa cccacctaaa agaacgaaat gttgaagata tttcaggagg 300
 agagttgcag agatttgctt gtgctgtcgt ttgcatacag aaagctgata ttttcattgt 360
 tgatgagcct tctagttacc tagatgtcaa gcagcggtt 399

<210> 244
 <211> 388
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 328, 329, 350
 <223> n = A,T,C or G

<400> 244
 gtttcccagg cccactgtgc ctacagagacc agggctccag cccctctcgg agaagtctca 60
 gctaagctca cgtcctgaga aagctcaaag gtttggaagg agcagaaaac ccttggggcca 120
 gaagtaccag actagatgga cctgcctgca taggagtttg gaggaagttg gatttttgtt 180
 tctctgttgc aaagctacct gtccctaccc catggtgcta ggaagaggag tggggtggtg 240
 tcagaccctg gaggccccaa ccctgtcctc ccgagctcct ctccatgct gtgcgccag 300
 ggctgggagg aaggacttcc ctgtgtannt tgtgctgtaa agagttgctn tttggttatt 360
 taatgctgtg gcatggatga agaggagg 388

<210> 245
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 587

<223> n = A,T,C or G

<400> 245

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ctgccgtgtg aagcccacaa taaatttagg atgaagaata cggctctgtgt atccaagaca 60
gcagtcaaag ttgcttgctt ctgattcgcc gcagaggtgg agtagcagca ctgacatcaa 120
agcagccagg agcaaactct tggtagagca catgggtttt agctcaaaga acagatctgc 180
taaaacaaat acaagttatt gattcactct tctcaacttg acagtctacc tgtggtataa 240
ctgtcaggta aaaacataca tctttacaac ttggtgggtcc caagttaaaa aaaaaaaaaa 300
aaaccaacaa caaaaaaaaa aacaccattt cacagacagg aaataaacia catgaaaaca 360
gctcaagaaa tacactaacg agcaaaaata tatgaatata tggggaaaga ggaacgtgtt 420
gttttgactt aactgaagaa accaagagga aactgggtcta cgtatgaaaa tgtgcatcct 480
ggaaagtcag gtgtcaagat tttcgagtag gaatctatat gacttgaatc tccccctatt 540
tcctgaataa aagtgcacac tttcagtatt tatacttcat ggctcanaca 590
```

<210> 246

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 543

<223> n = A,T,C or G

<400> 246

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ccacgggggac tggtattcgc aagctggttt tctagacctg ttagctggaa gcatgggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acaggtacag 120
cagcgctttc tggtagtcgc ccttagtgct ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaathtt caacatgtcc acttcaactgc gggagaccat 240
gattctgate aggaccttat ctgcgctccc cttgcccttc atggagtcac acagccgac 300
agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cattttccag 360
gtctccttta acctctttcc tgatgcttcc caacatgtca taagggtgt aactcttgta 420
cctatcaaat actttctgga ggtggggcac gctccgctcg gtcacgatgc tgatccactt 480
gggaacatca gttcctttcc tcttcaactc agcgtcatag agatcccgag catcttggtc 540
aantcagttc ataataatg acagagccat cctctgctct tctacc 586
```

<210> 247

<211> 435

<212> DNA

<213> Homo sapiens

<400> 247

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ccaggctggc cttgaactcc tgacctcaag tgatccgctc gtctcagcct cccaaagtgc 60
taggattaca ggcgtgagcc accgcgcccc gccatacta actgttatca cgagtgttca 120
gttttcatat ttatgctcac ttgctgggtc gctgcagat gactctgaag gagtttgcca 180
taatgaatga ggaccaagat gatgaagagt ttctgcagca gtaccggaag cagogaatgg 240
aagagatgag gcagcagctt cacaaggggc cccaattcaa gcaggttttt gagatctcca 300
gtggagaagg gtttttagac atgattgata aagaacagaa aagcattgtc atcatggttc 360
atatttatga ggatggcatt ccagggaccg aagccatgaa tggttgcatg atctgccttg 420
ccgcagagta cccag 435
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<210> 248

<211> 299

<212> DNA
<213> Homo sapiens

<400> 248
cctgcagagt gtccctccct tggctccaga acgaagatcc acacttgagg actactctca 60
gtcgtgcac gccagaactc tgtctggctc tccccgatcc tgttctgagc aagctcgagt 120
cttcgtggat gatgtgacca ttgaggacct gtcaggctac atggagtatt acttgtatat 180
tccaagaaa atgtccaca tggcagaaat gatgtacacc tgatagcaag aagctaattc 240
atatgcttta aaccaatgaa ggcttgtcaa agagatttag ttaatggcag accttgtgg 299

<210> 249
<211> 186
<212> DNA
<213> Homo sapiens

<400> 249
ccatcaccat gtcacccaca ccagcagcgg gaagtctgtt cagccgtccc ttgatccct 60
tcacggagat gatatacagg tttttggctc ctgtgtgtgc agcacaattg attacagctc 120
ctaccggaag acccaaggaa atccggaatt tcgcaccaga ggaccaccca cgtcctcgct 180
tcgaca 186

<210> 250
<211> 329
<212> DNA
<213> Homo sapiens

<400> 250
cagattctgc gataatgtgt ggacttttgt actgaatgat gttgaattca gagaggtgac 60
agaacttatt aaagtggata aagtgaatgt tgtagcctgt gatggtaaaa atactggctc 120
caatactaca gaatgaatag aaaaaatat acttttttac accatcttct gttattcatt 180
gcttttgaag agaagcatag aagagacttt ttattttattc tagaattgca gaaatgacta 240
cactgtgcta taccagagaa ttccagtaga aagaaacttg taactctgta gcctcttaca 300
tcacctttat tatacagcat gaaaaacca 329

<210> 251
<211> 457
<212> DNA
<213> Homo sapiens

<400> 251
caaaggctgc gataatatta ttgacctctt cctttatcag ccacaatatc ttaatgcaat 60
tcagacaatg tgtccacaca ttcttcgcta tttgactaca gcagtcataa caaacaagga 120
tgttcgaaaa cgtcggcagg ttctaaaaga tctagttaaa gttattcaac aggagtctta 180
cacatataaa gaccaatta cagaatttgt tgaatgttta tatgttaact ttgactttga 240
tggggcttag aaaaagctga gggaatgtga atcagtgtct gtgaatgact tcttcttggg 300
ggcttgtctt gaggatttca ttgaaaatgc cgtctctctc atatttgaga ctttctgtcg 360
catccaccag tgtatcagca ttaacatgtt ggcagataaa ttgaacatga ctccagaaga 420
agctgaaagg tggattgtaa atttgattag aaatgca 457

<210> 252
<211> 426
<212> DNA
<213> Homo sapiens

<400> 252
 ctgccgctgc accttgggaa ggtggctcctg tgccctggagt ggacacaagc cccttttgcaa 60
 agtctctgga tcattccaga ggggaggctg acctttttga ttctggggac attttttcca 120
 cgggcactgg atctcagtcg gtggagagaa caaaacccaa ggcaaagata gcagagaatc 180
 ctgccaaccc accagtgggt ggtaaagcaa agagcccat gtttcctgct ctagggcgagg 240
 ccagcagtga tgatgatctc tttcagtcg ctaaaccaaa accagcaaag aaaacaaatc 300
 cctttcctct cctggaagat gaggatgacc tctttacaga tcagaaagtc aagaagaatg 360
 agacaaaatc cagtagtcag caggatgtca tattaacaac acaagatatt tttgaggatg 420
 atatat 426

<210> 253
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 253
 cctgacagac agaagggtt ggagatTTTT tttctttaca attcagtctt cagcaacttg 60
 agagctttct tcatgttgct aagcaacaga gctgtatctg caggttcgta agcatagaga 120
 cggtttgaat atcttcagat gatatcggct ctaactgtca gagatgggtc aacaaac 177

<210> 254
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 254
 ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
 atctccccct tctcctttgg gctggtcac cagcagggtg tcgacaatgg cagcatctac 120
 aaccctgaag tgcttgatat cacagaggaa actctgcatt ctgcttctt ggaggggtgtc 180
 cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggttgcac agtaccatc 240
 tctatcatca acgggtacaa acgagtcttg gccttgtctg tggagacgga ttacaccttc 300
 ccacttgctg aaaaggt 317

<210> 255
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 255
 ccataaaggc actacggcat gttcataaac accatcaagt aaaagaaagg ggaatcaaga 60
 tgttctcact tcttttctgc tccaccttaa tactccatct agccactggg atggagcatg 120
 tcatcaactc attcttctca caagctagca agggaattaa acattttatc agtcaaccct 180
 atgctcacca agtgagccaa tgttacacag tgattttgtg catccagtga ctgagaacta 240
 caggcaagga taggccctga ctgttaataa attggctgtg gctattacta gaaaattatg 300
 ggtgcaggca tttacctata caatgacctg cttactgttg cagctaacaa tatagtcaaa 360
 ccagtctatt accatatgat gtccatttaa caagagagcc cagttgaagg atgtttcata 420
 cttttagaaa gcctaatttc ttactgtaat atcctcccat ccctctttt 469

<210> 256
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 256

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ctgaaagaaa cctttgggaa tggatatcag aagatttggc cttaatatat ttccattgtg 60
accagcagca ggcttttttc cccaagaag atgatcaaaa caaaggatga tctcaacaag 120
agctgtattt taagtattta gacagtctct tgttagctgg tttctagttg gttatctagt 180
taccaatgct gcagtcctgc agtcacctat acattattt 219

```

```

<210> 257
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 430
<223> n = A,T,C or G

```

```

<400> 257
ccaatagatt tacagccatc taaagaagag cagaatgctc tcaagagctg aattatgatg 60
acttgtaggt attgattaga tgagaacacc aaccccatat tcagcagaga gttagggaat 120
gagaagtaga ggggagatgg tgggtggagat cgtctttatg tagttttcaa agtcacttcc 180
gaaaaagaag atgaggtaat agttgaatat gccagcaacg gacatgagga acaggaagag 240
tatgatgcgt ttcccaaata ttagccagg ggtgctctgc gttctctctc ctaggtaacc 300
gacaaagtac ttttgccctc caaacaagta catcagtcca gcaaacgcag caggaacttg 360
gttgcaaagt agcccccgcag accagagcac agcgaggaga gtggggtaacg catctacaca 420
gttctggttn gcagtgtaga cccgctcaaa ggcaggtgtt ccggtcctct ggaa 474

```

```

<210> 258
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 258
cggaaaatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagagggcgg gagaactcac tgaggatgag 120
gtggaacgtg tgatcaccat tatgcagaat ccacgccagt acaagatccc agactggttc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtcctagc caatggtctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttcggggcca tagagggctg 300
cgtcacttct ggggccttcg tgtccgaggc cagcacacca agaccactgg ccgccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399

```

```

<210> 259
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<400> 259
ctggaagagg aacatcacca ccccgtagcc acaggcttgc tgtccactaa cttagatccc 60
tgagcacttg agaaagaaca taggaagttc aacaggaagt ttgacctca tggatacttc 120
tctttaggcc ctgggttttc caagtctcca acctgatcgt tctttctgac catttatgac 180
aacttctggt ttttctttga aagcttgttt ctaggctctt tccccagaat cccaggacat 240
gagggagaga ggggtcagga ggtataccat atttggctta ggcagagctt cttagacttt 300
tcagagactc agcccccaag g
321

```

```

<210> 260
<211> 360

```

<212> DNA
<213> Homo sapiens

<400> 260
gtggatggca acagtctaatt ttaggatata gtaataggaa ctcaacaagc taccacaggg 60
cccgcataca gtggtcgaga gacaatatac cccaatgcat ccctgctgat ccagaacgtc 120
accagaatg acacaggatt ctatacccta caagtcataa agtcagatct tgtgaatgaa 180
gaagcaaccg gacagttcca tgtatacccg gagctgcccc agccctccat ctccagcaac 240
aactccaacc ccgtggagga caaggatgct gtggccttca cctgtgaacc tgagggttcag 300
aacacaacct acctgtggtg ggtaaatggt cagagcctcc cggtcagtc caggctgcag 360

<210> 261
<211> 303
<212> DNA
<213> Homo sapiens

<400> 261
cctttacttt attcagtga agtgtctatt tagactaaga ggtatttttag tttcctgact 60
cgagacatgt tgagtaaagg taatttgcca gtccctgggtg gggcaaactc tccagcctga 120
tgtgtagggg agggaggggg cctgaataat ccctgaggag tagtagaata gcagatggaa 180
cactgagaag ttatttcctt gaggatagat ttccacgatg gaaaggaaat gagaggttct 240
gagaggcggg ctagtggctt gtactatagc ataacctgcc tttgctgggtg tgtggcgatt 300
agg 303

<210> 262
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424
<223> n = A,T,C or G

<400> 262
gtggctcccc actttgaggc caatgccacc gtccggccga tccgtttcca cgactttctg 60
ggagactcat ggggcattct cttctcccac cctcgggact ttaccccagt gtgcaccaca 120
gagcttgcca gagctgcaaa gctggcacca gaatttgcca agaggaaatg taagttgatt 180
gccctttcaa tagacagtgt tgaggaccat cttgcctgga gcaaggatat caatgcttac 240
aattgtgaag agcccacaga aaagttacct tttcccatca tcgatgatag gaatcgggag 300
cttgccatcc tgttgggcat gctggatcca gcagagaagg atgaaaagg catgcctgtg 360
acagctcgtg tgggtgttgt ttttggtcct gataagaagc tgaagctgtc tatcctctac 420
ccanctacca ctg 433

<210> 263
<211> 184
<212> DNA
<213> Homo sapiens

<400> 263
ccagccaggg ctggtgctgt ccccgccctac ctccacttcc tttcccttgc tcaactctgga 60
tccagtgaca gcagggtgtca tgggtcaagc ataaatcata tatagcattt tcaggcatgt 120
tcttggtagt tcttttgagt ctgacattct aataaaataa tttgtaaaaa aaaaaaaaaa 180

aaaa

184

<210> 264
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 264
 ctgtgatgag ttgataccag agtatctcaa ttttatccgt ggtgtggttg actctgagga 60
 tctgcccctg aacatctccc gagaaatgct ccagcagagc aaaatcttga aagtcattcg 120
 caaaaacatt gttaagaagt gccttgagct cttctctgag ctggcagaag acaaggagaa 180
 ttacaagaaa ttctatgagg cattctctaa aaatctcaag cttggaatcc acgaagactc 240
 cactaaccgc cgcgcctgt ctgagctgct gcgctatcat acctcccagt ctggagatga 300
 gatgacatct ctgtcagagt atgtttctcg catgaaggag acacagaagt ccatctatta 360
 catcactggt gagagcaaag agcagggtg 389

<210> 265
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 265
 gaggaattgg agaggccaga ataatcagaa aagctttgga ggggtagga tgtgacctac 60
 attttcagaa caagagtggg gtagaaaagg cattccaggt gggataaaca gcggaggcaa 120
 atacatgaga ggggaattaaa tctgttgtga tttatttgat agtaagattg acctgcctgg 180
 catcgagttg aaatagaggc aaaagacact gaatatttgc aaggagggtcc ttagaatgga 240
 gtgatatgga aataagcagc cattataggt tcttgagcag gaacattttg catgaaaagc 300
 actgctttgg aatgatgagt ctagaaaagg aacactgacc tctctaagggt ggcattctag 360
 ggagagacct gagtatttgg ggctgagatt gagagaggag cttacttttc ttggtatatt 420
 tttatttact attcaagttc tgcacatgt gtgtttactg cctattttaat aatta 475

<210> 266
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 266
 cctaggattg tgggggtaat gaatgaagcg aacagatttt cgttcatttt ggttctcagg 60
 gtttgttata attttttatt tttatgggct ttggtgaggg aggt 104

<210> 267
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 267
 ctgcctgtca cagaatccca tttcaaagag acgggccatc agggctgctg tctgatcttc 60
 agaaattatt agctgtgcag tgactggtgg ccagcaaac agggccttgt atgcagaggc 120
 agcaacagac aaagccccct tcaccagtcc tccagcaatg ctgctcccat gatggtgctt 180
 tgagtgttca tagctcttct gtctgctggt tacaagtcct gatgagcctc tgggctctcc 240
 tctgatctga tcagggactg aagaaacttc tggtatggta actggtaaact cactcctggt 300
 ggaacatga tgatgtacac aaggagagct cctgggcagt gacgggtggaa gctccactac 360
 ctctgggatt aggggcactg tttccagagt ctgtgagggtc gtgaggatgt cacttatgct 420
 gtgctcctgt ggctggttct cccctccagg gagtcttttc ccagcctcag 470

<210> 268
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 268
 ctgggacccg gaaggcgggc gtcctgtctt ttgtgctctt tctaccgccc ccgcgtcctg 60
 tcccgggggc tctcctagga tcccctttcc gtaaaagcgt gtaacaaggg tgtaaatatt 120
 tataattttt tatacctggt gtgagaccgc aggggcggcg gcgcggtttt ttatggtgac 180
 acaaattgat attttgctaa cagcaattcc aggcacagta ttgtgaccgc ggagccacag 240
 gggacccac gcacattccg ttgccttacc cgatggcttg tgacgcggag agaaccgatt 300
 aaaaccgttt gagaaactcc tcccttgtct agccctgtgt tcgctgtgga cgctgtagag 360
 gcaggttg 369

<210> 269
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 269
 ccaaaccaac cgcaccctcg aatttctccg caaatttccg gccggcaagg tcccagcatt 60
 tgagggtgat gatggattct gtgtgtttga gagcaacgcc attgcctact atgtgagcaa 120
 tgaggagctg cggggaagta ctccagaggc agcagccag gtggtgcagt gggtagcatt 180
 tgctgattcc gatatagtgc cccagccag tacctgggtg ttccccacct tgggcatcat 240
 gcaccacaac aaacaggcca ctgagaatgc aaaggaggaa gtgaggcgaa ttctggggct 300
 gctggatgct tacttgaaga cgaggacttt tctggtgggc gaacgagtga cattggctga 360
 catcacagtt gtctgcacc tggtgtggct ctataagcag gttctagagc cttctttccg 420
 ccagg 425

<210> 270
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 270
 ctggagcgct cacctggttg aattcaaagt cccagaaggc ccgctggcg tgaagccggc 60
 cccttacatt ttgcgaagt cattatagtc cttgtttttc tctccctcgt gggggcaacg 120
 accctcccc tggcagtagg ggtgggtag gtgactctcg ctagatccct ccaaagcaga 180
 ccggtggcga tgtcagcgga tgtcacgagc tcgttagctg cgttcgggga aggttggggc 240
 gtcagggagc tctcgatca cagcagcccc cgccctctcc tagg 284

<210> 271
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 271
 aaattttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
 gtgtaaaata cttacaata cattagattc ccaaaaggta ccaaaaagta cagtaaaatt 120
 aacacttccg ttacaggaaa tgtatgacgc aaataatata aaattaaaag gtgaaaaaaa 180
 ggtgacactg gtttcctaag atacaattta ctctttacaa ccagggtcca caggtccagg 240
 ctgcagagcg gcagcaggaa gcagagcttc ccacctgctt ctgggggacc tggtaataaa 300
 aatcagccca tgatggcgct atggcctctc agacaccaca cgctgcctaa acacctagag 360

ctctggaaat agtcaacagg agagtgattt ccatggggga aatttt 406

<210> 272
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 272
 ctgagggtgt cagtacaatg aaaccaaact ggcgggatgg aagcagatta ttctgc 56

<210> 273
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 394
 <223> n = A,T,C or G

<400> 273
 ccatcaatga ctgcagcaaa gcaattcaat taaaccccag ctatatcagg gcaatattga 60
 ggagagcaga gttgtatgag aagacggaca agctagatga agccctggaa gactataaat 120
 ctatattaga aaaagatcca tcaatacatc aagcaagaga agcttgatg agattaccta 180
 agcaaattga agaacgtaat gaaagactaa aagaagagat gttaggtaaa ttaaaagatc 240
 ttgggaactt ggttctccga ccttttgggc tctccacgga aaatttccag atcaaacagg 300
 attcctctac cggctcgtac tccatcaatt tcgttcaaaa tccaaataat aacagataac 360
 aaagataaca aaagctttac aagctgactt gganttggtg gctgcttgcc gtta 414

<210> 274
 <211> 166
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 130
 <223> n = A,T,C or G

<400> 274
 cctcggccta aaggtctgga gggtagcgga cctgcgagac tcacaagagg ggaagctgac 60
 agagatacct acagacggag tgctgtgcca cctggtgccg acaagaaagc cgaggctggg 120
 gctgggtcan caaccgaatt ccagtttaca ggcggatttg gtcgtg 166

<210> 275
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 275
 atcgtgtgct gcctggagga gaagcctgga gaccgtggca agctggcccg ggcacagggg 60
 aactatgcc aactatgcc ccacaaccct gagaccaaga agaccgtgt gaagctgccc 120
 tccggctcca agaagggtat ctccctcagc aacagagctg tgggttggtg ggtggctgga 180
 ggtggccgaa ttgacaaacc catcttgaag gctggccggg cgtaccacaa atataaggca 240

aagaggaact gctgg

255

<210> 276

<211> 460

<212> DNA

<213> Homo sapiens

<400> 276

```

aaacaaccaa aaagaattgt aagggtggct tgctgccagg cttgcaactgc cgttcctggg 60
ggtgtgcatc ttcgggaaag gtggtggcgg ggcgtccact aggtttcctg tcccctgctg 120
ctccttccgt aagaaaatga aatattctat gcctaatact cacacgcaac atttcttgta 180
ctttgtaagt cgtttgcgag aatgcagacc acctcactaa actgtaaacg gtaaagagat 240
ttttactttt ggtctccgtg ggtcgcacat ctactaagggt ttacacagga attccacctg 300
aagacttggtg ttaaagttct acagcgcgca ctgttaactga acgtcttttt cttcagccta 360
tacgcggatc cttgttttga gctctcagaa tcaactcagac aacattttgt aactgctgct 420
gttgctttct acatacacct tataaaagtga catttcaaaa 460

```

<210> 277

<211> 348

<212> DNA

<213> Homo sapiens

<400> 277

```

ctgttgatgc cagtgtcctc taactcatgc tgtccttggtg attaaacacc tctatctccc 60
ttgggaataa gcacatacag gcttaagctc taagatagat aggtgtttgt ccttttacca 120
tcgagctact tcccataata accactttgc atccaacact cttcacccac ctcccatacg 180
caaggggatg tggatacttg gcccaaagta actggtggta ggaatcttag aaacaagacc 240
acttatactg tctgtctgag gcagaagata acagcagcat ctcgaccage ctctgcctta 300
aaggaaatct ttattaatca cgtatgggttc acagacaatt cttttttt 348

```

<210> 278

<211> 292

<212> DNA

<213> Homo sapiens

<400> 278

```

cgcgaccatt cgggtggccga gagcctcaac tacgtggcgt cctggaacat gagcatgctg 60
cagacccaag acctcgtgaa gtccgtccag gccacgactg agaacaagga actgaaaacc 120
gtcaccttct ccaagctctg agagccctcg cgtcccaggc cccagccagg gggccggcct 180
tgtccgcctt catccacaga aaggaggat gggcgatgac agttgtttct atgccttctg 240
accagtttcc ccagtttata actttatgac aatgagtttc tcaagcccaa gg 292

```

<210> 279

<211> 74

<212> DNA

<213> Homo sapiens

<400> 279

```

ctgttgctgt cttcatgagg gcagaggagg agccgggtgg cagtgtgggtt atttggtcag 60
agtgtcccct ggga 74

```

<210> 280

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 160, 161, 169, 170

<223> n = A,T,C or G

<400> 280

```
ccacaactgt gaagttagaa aagccctgtc aaagcaagag atggctagtg cttcatccag 60
ccaaagaggt cgaagtgggt ctggaaactt tggtaggtgg cgtggagggt gtttcggtgg 120
gaatgacaac ttcggtcgtg gaggaactt cagtggctcg ngtggcttnn gtggcagccg 180
tggtaggtgg ggatatg                                     197
```

<210> 281

<211> 341

<212> DNA

<213> Homo sapiens

<400> 281

```
ccttgctaaa aaggagaagc ctaaaaaaga taaaattccc acggcagttc tgttcaactg 60
tagcctgtga gtgcaggaat aatgttcccg tggggaagca ttatgccagc tggttttctg 120
gtgtcaacgt gggaaagccc ttgaggtttt ctgtcgtgtg caggaggaag cacgaaaact 180
gtttatggaa tccagtcgac gttcaggcac cgcgcgatga acgcaaacat gtctgagact 240
tcctctatca ctttggtgtg gggcttcccc gcccggtggc ccgccttggg gtccacgtgg 300
ataagcaggg ggttgctttg ctctctgctg cggccacaga t                                     341
```

<210> 282

<211> 382

<212> DNA

<213> Homo sapiens

<400> 282

```
tttttttttt ttttttatgt gttgtcgtgc aggtagaggc ttactagaag tgtgaaaacg 60
taggcttgga ttaaggcgac agcgatttct aggatagtca gtagaattag aattgtgaag 120
atgataagtg tagagggaag gttaatggtt gatattgcta gggtagcgct tccaattagg 180
tgcattagta ggtggcctgc agtaatgtta gcggttaggc gtacggccag ggctattggg 240
tgaattagta ggctgatggg ttcgataata actagtatgg ggataagggg tgtaggtgtg 300
ccttgtagta agaagtggg tagggcattt ttaattcttag agcgaaagcc tataatcact 360
gcgcccgtct ataaggggat gg                                     382
```

<210> 283

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 435

<223> n = A,T,C or G

<400> 283

```
ttttttttta tatcaaaaca tttatttttt gtgttacaaa aacacaaata aatccaagca 60
gataatgaaa taaacacatt ttttagtgtt cccatcctgg gttctctgcc ctagaatgta 120
ttaagcaggt caagtttagt ttacttcaac acttctctct gatgctatga agtctccatc 180
```

```

ttataacccat gtttctctag ttcagctcgt aactgattag agaagtcac cctacattg 240
tcacatccccc aattatccct ccagacatgt gcaccttcat cttcatctaa gccagcccag 300
tcttcggcag ggaactcttc aaactcgtcg tcttctctta acagacctaa gtctaccggc 360
tgctttttct ctgacatctc gactgtccgc gcccaacacc tcccagataa gcagaaaagt 420
tggaaccctc actcntcc                                     438

```

```

<210> 284
<211> 238
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 216, 221, 228, 229
<223> n = A,T,C or G

```

```

<400> 284
cctaccgcgc gcagtactga tcattctatt tccccctcta ttgatcccca cctccaaata 60
tctcatcaac aaccgactaa tcaccacca acaatgataa ccatacaca cactaaagga 120
cgaacctgat ctcttatact agtatcctta atcattttta ttgccacaac taacctcctc 180
ggactcctgc ctcactcatt tacaccaacc acccancat ntataaannt agccatgg 238

```

```

<210> 285
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<400> 285
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttctgag cgtctgagat gtagtatta gtagttttg ttgtgagtgt taagaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
ataagctctt ctatgatagg ggaagtagcg tcttg                                     275

```

```

<210> 286
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 286
aaatagctta caaggaatag tgggttatatt tatagaacat tttataaaac agattttacac 60
ttgcaacacc aacaaaagct tgaaaataaa agtttaccta aagtaaaatt ggtggctggg 120
tttgggtggt cacgcctgta atcccagcac tttgggaggg caaggtgggt ggatcacttg 180
agttcaagac cagactggag gacatagcaa gacctcgttt atattgggga aaaaaaaaaat 240
tatcagggtg tggcatgcac ctgtagtccc agctactctg gaagctgagg tgggaggatt 300
tcttgagcct ggaagattga ggctgcagtg agcaacaatg gcaccactgc actcaaaaaa 360
aaaaaaaaaa aattgagagt caataactgc aataaaacttt ttttaagtata atcaaatgag 420
ttcaactgtc acgttaagat gccttgaatt cttttgattt totagttcca atttctagct 480
ttaat                                             485

```

```

<210> 287
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<400> 287
ccacagagat ccctgacttc aatcaggatg acttgaaga ggatgatgtg ttcctactag 60
atgtctggga ccaggtcttc ttctggattg ggaaacatgc caacgaggag gagaagaagg 120
ccgcagcaac cactgcacag gaatacctca agacccatcc cagcgggctg gaccctgaga 180
ccccatcat tgtggtgaag cagggacacg agccccccac cttcacaggc tggttcctgg 240
cttgggatcc cttcaagtgg agtaacacca aatcctatga ggacctgaag gcggagcttg 300
gcaactctag ggactggagc cagatcaactg ctgaggtcac aagccccaaa gtggacgtgt 360
tcaatgctaa cagcaacctc agttctgggc ctctgcccac cttccccctg gagcagctag 420
tgaacaagcc tgtagaggag ctcccccgag ggtgtggacc ccagcaggaa ggaggaacac 480
ctgtccattg aagatttcac tcagg                                     505

```

<210> 288

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 40, 42, 337, 428, 461

<223> n = A,T,C or G

```

<400> 288
caagcttttt tttttttttt ttttttttga ttttttagtan anacgggggtt tcaccgtggt 60
agccaggatg gtctcgatct cctgacctcg tgatctgccc gcctcagcct cccaaagtac 120
tgggattaca ggtgtgagcc accgcacca gccattatt attttttgag acaagtctcg 180
ctctgttgcc caggctggag tgcagtggca tgatcttgcc tcaactgcaac ctccacttcc 240
tgggttcaag cgattctcct gcctcagcca cccgagtagc tgggattaca ggtgcgtacc 300
accacacca gctaactatt ttttgtattt ttagtanaga tgggatttca ctgtgttagc 360
caggatagtc tcgatctccc gacctcatga tccgcctgcc tcggcctccc aaagtgcctg 420
gattacangc gtgagccact gtactcggcc aaagctttta nagaa                                     465

```

<210> 289

<211> 480

<212> DNA

<213> Homo sapiens

```

<400> 289
gtgttcccg tgccacaccg ttgaaaagg aggcaagcac aagactgggc caaatctcca 60
tggctctttt gggcggaaga caggtcaggc ccttggtatc tcttacacag ccgccaataa 120
gaacaaaggc atcatctggg gagaggatac actgatggag tatttggaga atcccaagaa 180
gtacatccct ggaacaaaaa tgatctttgt cggcattaag aagaaggag aaagggcaga 240
cttaatagct tatctcaaaa aagctactaa tgagtaataa ttggaaattt ccatatgatt 300
tattgttggt ccttgtagat aagaaacagt aatatacaac ttacactgct ttagaatgta 360
aaatggataa aaatgtgtac aaaaaaagca cattcctaga aaaaggtatt ggcaaatagt 420
aaaaatggga ggtcaaaagc aaaaaaaaaa aaaaacaaaa caaaaaaaag aaaaaccaac 480

```

<210> 290

<211> 551

<212> DNA

<213> Homo sapiens

<400> 290

```

aaatacaaaa ggtgtcttgt gttgcttaat catacagttt cgtacatttt gtatagatat 60
tcctcactct acagtcacag atttggaag attccgtggg aaatcaacat catagcctct 120
cagcacagca aggtggaaag ccagcaactg taaagggatc acgctgagaa tggcctgcaa 180
gcagtccact gagtggggca ccttgatcgt tctttttgtg ttcttaatgg tctcagtatc 240
ctccttatca caaattacca caggccgccc ctgccgagca accacttgct gaagagcatt 300
ctgacacttg gcataagtgt gatctctcat gatgatcatg atcacaggca tcaattttatc 360
caccaaagcc agagggccat gtttcaattc accagcaagg atgccttcag agtgcatata 420
agtaatttct ttgattttca gtgccccttc aagacaagta gcataatgat agcctcgtcc 480
cattatcaga actgacttct gatgataaag ttctgttgct agtttctgaa tttcgtcctc 540
catgctcagt a                                     551

```

<210> 291
 <211> 480
 <212> DNA
 <213> Homo sapiens

```

<400> 291
aaattctttg tgcagagagt ttcagcttca gatattcttc ctgtgtctat tagaccagtg 60
acagcttggtg agagagacca cttttcaagg gactggttgt aattttcaaa gaatttttgc 120
tctttaattg aagcagaaac agcagataac agtgccaagt ataaatctat actctttggc 180
tgagtgttgt tactaaggc cagtttatca tcagcgtgac aggctgccat tagcccagcc 240
cagatagcag gatcacctgg agaaaggaga gctgccttct gaatgggtctt tagtgagta 300
ttttttcatc ttctgctgaa ctgcttccca tagccaaactg atttaccgca gtgtacagta 360
atgccttctt tccatgattt ggtccagaa tatgggccac atttctgtct acaacacctc 420
cctttgcatt tcgttgagca tactgtgcaa caactcgaga caacagagac caaagagcag 480

```

<210> 292
 <211> 294
 <212> DNA
 <213> Homo sapiens

```

<400> 292
ccacaaagcc attgtatgta gctttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcagggtact tcatggcagc tatccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtctt cgctggactg 240
ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

```

<210> 293
 <211> 474
 <212> DNA
 <213> Homo sapiens

```

<400> 293
ctgctgggca tgctgtgtgc ttgcatcgtg ttgtgcagaa ggagtagaga tcttgcttac 60
gagctcctca tcaactggcg aacctatgca tagttgacaa ctcaagcctg agcttttttg 120
tcttgttctg atttggaagg tgaattgagc aggtctgctg ctggtggcct ctggagttca 180
tttagttaaa gcacatgtac actgggtgtg gacagagcag cttggctttt catgtgcccc 240
cctacttacc tactacctgc gactttcttt ttcttggtc tagctgactc ttcattgccc 300
taagatttta agtacgatgg tgaacgttct aatttcagaa ccaattgcga gtcattgtagt 360
gtggtagaat taaaggagga cagagcctg cttctgttac ctccaagtgg taacaggact 420
gatgccgaaa tgtcaccagg tcctttcagt cttcacagtg gagaactctt ggac 474

```

<210> 294
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 294
 tttgtgtatt gcggaagaa ggcccagctc aacattggca atgtgctccc tgtgggcacc 60
 atgcctgagg gtacaatcgt gtgctgcctg gaggagaagc ctggagaccg tggcaagctg 120
 gccggggcat cagggaacta tgccaccgtt atctcccaca accctgagac caagaagacc 180
 cgtgtgaagc tgccctccgg ctccaagaag gttatctcct cagccaacag agctgtgggt 240
 ggtgtggtgg ctggaggtgg ccgaattggc aaacccatct tgaaggctgg ccgggcgtac 300
 cacaaatata aggcaaagag gaactgctgg 330

<210> 295
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 295
 cctgacattc ctgcctgaag cttggcgctc ttgatggtct agggggcttc caaggtgate 60
 gggcagtgtc agtcttcagc cgctaagccg agaagatctg ggaaggagtc agtcagagag 120
 ccttggggcca gagttccagg ggctctggga gtggctgccca ggtgagttga acagtccgat 180
 tttcagtggg gtcccacaca gatgggacgc ggcttaggag gaatccgggg ctgcggggcat 240
 tccttggccc agtgg 255

<210> 296
 <211> 109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39, 57, 79, 96
 <223> n = A,T,C or G

<400> 296
 ttgggcggat agcaccgggc atattttggg atggatgang tctggcaccg tgagcantcc 60
 aacgaggact tggctcttant tgagcaattt ggctangagg atagtatgc 109

<210> 297
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 297
 ctgctgcctg gtgtactccc agatcagcag ggctccactc acatggacat tcagggagcg 60
 gataatgccc tgttgaggaa tttccacaca aacgtccaac tgttgatca gatttgctgg 120
 aattccctca cgttcatttc ccaacaagag cagagatttc tcaggaaagc aatattgggt 180
 taggtctaaa cttttggcag tttgttcac tccaatgatg gtataacctt ctgttttctt 240
 ctgctgcaga taatcaatta gctgaggtgg ttttacctcc actagaggaa gccactgttc 300
 tgcagagaca ctgaggtgct gaaactgttt gtcgctga 338

<210> 298
 <211> 476

<212> DNA
<213> Homo sapiens

<400> 298
 aaaaaaacag aaaggggagg aggatgacct taactacaaa taatattcca ctgcaacatt 60
 attgctgtaa aacttccaag ctggctgttc ttccagatgc tctcttttga tggctgtagt 120
 ggctgacaga tttatattta catgttcaaa acaattaatg cttccattta ttcatagatt 180
 ctctgagggt cccgtagaac cacaccacct tctgtcatgg cactttgtag tegtttcatg 240
 agtggaggcc gaaaccacaa ccttgccatt ctgatgctcc acaagtgctt ctacatgatg 300
 ctgagtcctt ataactcgca acctgtgcta gaactcacgg gagggaaaca cgtccgcca 360
 gccccgctct ttcttggtta cagataaaag ctccagggtc cggggggttc gggttggtgaa 420
 ttctggggcg acagcttcat tttccacagg gtccacttca ggtttcgctg ccggct 476

<210> 299
 <211> 493
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 218
 <223> n = A,T,C or G

<400> 299
 ctgtgaagga aagaattgcc aaattctttg gaaaagatat tagcacaaca ctcaatgcag 60
 atgaagcagt agccagagga tgtgcattac agtgttcatg aagtcttttag tcgaaaccat 120
 gctgctcctt tctccaaagt tctcaccttt ctgagaaggg ggctttttga gctagaagct 180
 ttctattctg atccccaagg agttccatat ccagaagnaa aaataggccg ctttgtagtt 240
 cagaatgttt ctgcacagaa agatggagaa aaatctagag taaaagtcaa agtgcgagtc 300
 aacacccatg gcattttcac catctctacg gcattctatg tggagaaagt cccaactgag 360
 gagaatgaaa tgtcttctga agctgacatg gagtgtctga atcagagacc accagaaaac 420
 ccagacactg ataaaaatgt ccagcaagac aacagtgaag ctggaacaca gccccaggta 480
 caaactgatg ctc 493

<210> 300
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 472
 <223> n = A,T,C or G

<400> 300
 gagcgccgc cggcgaggtc tgccaaggag acctgttat gctgtgggga ctggctgggg 60
 catggcaggc ggctctggct tcccaccctt ctgttctgag atgggggttg tgggcagtat 120
 ctcatctttg ggttccacaa tgctcacgtg gtcaggcagg ggcttcttag ggccaatctt 180
 accagttggg tcccagggca gcatgatctt caccttgatg cccagcacac cctgtctgag 240
 caacacgtgg cgcacagcag tgtcaacgta gtagttaaca gggctctcgc tgtggatcat 300
 caggccatcc acaaacttca tggatttagc cctctgtcct cggagtttcc cagacaccac 360
 aacctcgcag cctttggccc cactctccat gatgaaccgc agcacaccat agcaggccct 420
 cgcacagca agccctccta ggagtttgta acgcagagac tctgcctggg cnatggcaca 480
 cagacctcta gtgg 494

<210> 301
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 432
 <223> n = A,T,C or G

<400> 301
 tagagccgga gctgccgcgc cagtcgccta gcaggtcctc tacccggctta ttccctgtgcc 60
 ggatcttcat cggcacaggg gccactgaga cgtttctgcc tccctctttc ttccctccgct 120
 ctttctcttc cctctcgttt agtttgctg ggagcttgaa aggagaaagc acgggggtcgc 180
 cccaaacccc ttctgcttct gcccatcaca agtgccacta ccgccatggg cctcactatc 240
 tctccctct tctcccgact atttggaag aagcagatgc gcattttgat ggttggattg 300
 gatgctgctg gcaagacaac cattctgtat aaactgaagt taggggagat agtcaccacc 360
 attcctacca ttgggttttaa tgtggaaaca gtagaatata agaacatttg ttccacagta 420
 tgggatgttg gnggtcaaga tagaattagg 450

<210> 302
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 302
 cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
 gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
 caagatcctg agtgacatgc gaagccaata tgaggtcatg gccgagcaga accggaagga 180
 tgctgaagcc tggttcacca gccggactga agaattgaac cgggaggtcg ctgg 234

<210> 303
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 417, 461
 <223> n = A,T,C or G

<400> 303
 gttgcttcc tgaagatggg actccttggg tatcaagacc tatgccacat cacactgggg 60
 ctagggaagt aggtgatgcc agccctcaag tctgtcttca gccagggact tgagaagtta 120
 tattgggcag tggctccaat ctgtggacca gtatttcagc tttccctgaa gatcaggcag 180
 ggtgccattc attgtctttc tctcctagcc cctcaggaa agaaggacta tatttgtact 240
 gtaccctagg ggttctggaa gggaaaacat ggaatcagga ttctatagac tgataggccc 300
 tatccacaag ggccatgact gggaaaaggt atgggagcag aaggagaatt gggatttttag 360
 ggtgcagcta cgctcaccct aaacttttgg tggcctgggg catgtcttga ggcccanact 420
 gttaaccagg ctctgctggc ctgtttactc gtcaccacct ntgcacctgc tgtcttgaga 480
 c 481

<210> 304


```
<400> 307
aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
gcttcacaa ctttttgctta ggtgctgcct ttgtaggctc cttagcagca gccattgcag 120
tcttttata tgtttgctta gcccttttct cttccttagc agccctgata gcttgttctc 180
cttgaqcctt tctaacctca ggtttctgat tctctttgq 219
```

<210> 308
 <211> 374
 <212> DNA
 <213> Homo sapiens

```
<400> 308
ccacaaatgg cgtgggtccat gtcacacacca atgttctgca gctccagcc aacagacctc 60
aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaaca gcatcagcgt 120
tttccagggc ttcccagagg tctgtgcgac tagccctgt ctatcaaaag ttattagaga 180
ggatgaagca ttagcttgaa gcactacagg aggaatgtac cacggcagct ctccgccaat 240
ttctctcaga tttccacaga gactgtttga atgttttcaa aaccaagtat cacacttta 300
tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggaggagaa 360
gagatgtact tttt                                     374
```

<210> 309
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 402
 <223> n = A,T,C or G

```
<400> 309
aaattgcatt tttacaagtt gttttttaat tagtgttcta tttacattgc agaacttcca 60
ccaactgcag tagtttaact ttggcacaac attaagttcc atttcttttg ggtattggat 120
cctgcttttt gagtgtgtat gcccacaaac gttttcaatg tcatcaaaga ttggggcaaat 180
tcacagtaaa tcagacatct tgagttgaag aattgattct ccttcaacgt tttaggcaga 240
tttcagtcac ctgattttaga cagcttccgt ttcacatgtc gtggagggtc ccaagtgtca 300
ctatcatctg tttcttcttc atcctcttcc tggtcaccaa taacttcac ttctctctca 360
ttttcctcaa ataattctat acctaattct gatcttctct gnttttctgc aaaccactct 420
ctgacctgct catagcccat atgtgatttg ttaacaagtt catcaaggtc ttgctcatta 480
agaaacttgt gtttca                                     496
```

<210> 310
 <211> 245
 <212> DNA
 <213> Homo sapiens

```
<400> 310
tcggaagtga gcaaaaactgc cgcaagtctg cagcccggcg ccaccatcct gcagocctcct 60
cctgaccacg gacgtttcca tcaggttcca tcccgaataa ctctcggttc cacttcccc 120
tggggcttct cctgacccag tcccgtgcc ccgctcccc gaaacaggcc actctcctcg 180
gccccctcca tcgggctgag gaagcacagc agcatcttca aacatgtaca aaatcgattg 240
gcttt                                     245
```

<210> 311
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 311

```

ctgtagccaa aaagatgctg gggcagattg tggacaagta gaagcacctc ctccccctct 60
gcgacattga acggcgtgga ttcaatagtg agcttggcag tgggtgggcgg gttccagaag 120
gttagaagtg aggctgtgag caggagcctc tgccagggga tgcaccatct gtggggaggg 180
gccgagggag actccatggg ctctgctgtc tgctctgtcc tcctctgtgg agaagagctt 240
gagttccagg aacgttttgt caaggctgct gtgactgtct ggtctgctgt cgta 294

```

```

<210> 312
<211> 522
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 394
<223> n = A,T,C or G

```

```

<400> 312
tgagcggccg cccggcaggt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gcttgtacaa 60
aacgagggcg aaggtaccga aagcacagta atcactggtg tcgatattgt catgaaccat 120
cacctgcagg aaacaagttt cacaaaagaa gctacaaga agtacatcaa agattacatg 180
aaatcaatca aagggaaact tgaagaacag agaccagaaa gagtaaaacc ttttatgaca 240
ggggctgcag aacaaatcaa gcacatcctt gctaatttca aaaactacca gttctttatt 300
ggtgaaaaca tgaatccaga tggcatggtt gctctatttg actaccgtga ggatgggtgtg 360
accccatata tgattttctt taaggatggt ttanaaatgg aaaaatgtta acaaagtgtg 420
caattatttt ggatctatca cctgtcatca taactggctt ctgcttgtca tccacacaac 480
accaggactt aagacaaatg ggactgatgt catcttgagc tc 522

```

```

<210> 313
<211> 517
<212> DNA
<213> Homo sapiens

```

```

<400> 313
aaagaaagaa agaaagtggg ggaggccagg ggggcaaggg acagaacatg ggggagaaac 60
aaaggtgggc agttggggag gggagctcct gggctctccc tggctgccct ggggtggggc 120
tgagcctcag ttggagtcag agtctgagga gtcccctgag gaggaggagc tggagctgct 180
gccctcggac tcattatctt catcctcatc gtcacctcgt tcgtcgtctt cgtcctcgtc 240
atcctcttca ttctcatccc catcctcgtc ctgcctcctg ccgctggact cagaggagtc 300
gocgccatct tcagaggagt cccattctc atcatcttcc tcttcttcat cctcgtcctc 360
gtcactctca tctctttcat catcctctc ggactccgac ttggactgca gagtagtccg 420
gctggatttg gggtttgggc ctgcagctt ggtcatgctc ttacgtttat tggagatgta 480
ctctttatat gctgcacggt cctggggaga caggctc 517

```

```

<210> 314
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 287
<223> n = A,T,C or G

```

```

<400> 314

```

```

aatgttttta ggcaaccta gaacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttgggtattca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg cttttgtgat tttttttttt ttttttgata cttgcctaac 180
atgcatgtgc tgtaaaaata gttaacaggg aaataacttg agatgatggc tagctttgtt 240
taatgtctta tgaaattttc atgaacaatc caagcataat tgtaanaac acgtgtatta 300
aattcatgta agtgaataa aagttttatg aatggacttt tcaactactt tctctacagc 360
ttttcatgta aattagtctt ggttctgaaa cttctctaaa ggaaattgta cattttttga 420
aattttattcc ttattccctc ttggcagcta atgggctctt accaagttta aacacaaaat 480
ttatca 486

```

```

<210> 315
<211> 122
<212> DNA
<213> Homo sapiens

```

```

<400> 315
ccactgcagg ggatggcctg atcgagctgc gcaagctgga agctgcagag gacatcgcgt 60
accagctctc acgctctcgg aacatcacct acctgccagc ggggcagtcg gtgctcctcc 120
ag 122

```

```

<210> 316
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<400> 316
aaattccctg ttaagttccc ctccataatt tttatgttct tgtgaggaaa aaagtaaaac 60
atgtttaatt ttatttgact ttgcattgac tttcaacaa gcaaatgtta aatgtgttag 120
gacttgtagt agtgttgtaa ctttccaagt aaaagtatcc cctaaaggcc acttcctatc 180
tgatttttcc cagcaaatga ggcaggcaat tctaagatct tccacaaaac atctagccat 240
ctaaaatgga gagatgaatc attctaccta tacaacaag ctagctatta gaggggtggt 300
ggggtatgct actcataaga tttcagggtg tcttccaact gaaatctcaa tgttctcagt 360
acgaaaaacc tgaaatcaca tgctatgta aggaaagtgc tattcaccca gtaaacccaa 420
aaaagcaaat ggataatgct gg 442

```

```

<210> 317
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<400> 317
ctggcatgaa gaaggaatag agcatggaca cgccttgga cagcatggtg atctctaatt 60
tgtgctctgt cttaaaatag tcgaggaact gtttgagggt catctcctca ccattaggct 120
gcagcccttg tacctcaaag cgatcccaca atgtccactc ttggttatag tactggtgac 180
gtggtgcggc aaggggttca gagaaaccaa agaaaggcag ggccaagtig aggaaaccat 240
tcttgtagga gtcaagctgt cgggtgccct gcacaacctt gtacagctcc agacacacaa 300
ggccaaccac ggctgctgtg gtcgtggcaa tggctgggat gatcttccct gcaatcagct 360
tgcctctgtg ccggtctgca gaaggaatgt catagttttc tgcccggagg ttggatgcag 420
ccacgatgaa atccatatga aagttgctgt catcatcctt ctcaaagtca atggggtaca 480
tctt 484

```

```

<210> 318
<211> 395
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> 298

<223> n = A,T,C or G

<400> 318

```
ccagggtgct tttggaaaca tgtgtcgtgg aggccgaatg tttgcaccaa ccaaaacctg 60
gcgcggttgg catcgtagag tgaacacaac ccaaaaacga tacgccatct gttctgccct 120
ggctgcctca gccctaccag cactggcat gtctaaaggc catcgtattg aggaagttcc 180
tgaacttcct ttggtagttg aagataaagt tgaaggctac aagaagacca aggaagctgt 240
tttgctcctt aagaaactta aagcctggaa tgatatcaaa aaggtctatg cctctcancg 300
aatgagagct ggcaaaggca aaatgagaaa ccgtcgccgt atccagcgca ggggcccgctg 360
catcatctat aatgaggata atggtatcat caagg 395
```

<210> 319

<211> 458

<212> DNA

<213> Homo sapiens

<400> 319

```
ctgtgatggc ttggagaaac agtgtaaacc ggcagtgtaa acaagagcag ggcatgtatg 60
agtagttgag aacggtgaat aggagtatga ctacacagaa gatagtaggg atgacaagtt 120
ttttggggca cagtctaagt tggtcgggtg tctggaatga gaatgggacc taataaaaag 180
aagcgtctat acaggagctt aaatgggctg taccttgtag cattctgagg acaggctctga 240
cttctgagga gggaaagtgg taaaagtatt gtccagtcct ttttaagttg gtggctgagc 300
ttgttgaggt gtgtttttaa tagaccatta gtctgtcact gaatactaag agcctgaaaa 360
actgcttggc tgatttgact aataaaggct ggtctgttat cagactgtat agaggtggga 420
aggctaaact gaggaattat gtctgacaga agggaaga 458
```

<210> 320

<211> 498

<212> DNA

<213> Homo sapiens

<400> 320

```
aaacatgata gtccataacc attttgaaat gctgggcaaa ctacatgaag ttatttataa 60
ttaattcaca gctaatacagg cattttgaaa gcttaattgg attcaaaaac cataatgttg 120
gaatttggtg aaattttaat gttgattttt actgtgaaaa ggtttttata agatatacac 180
accctagttt aatgttgtgt cttggtgtgg atttacagat ttactacagg tattctgaac 240
caggaacaca atcaggtttc aggccagttt gatactggct gtccttaatt ctaatatgag 300
agtaggacat catactaaat gttatgtcag tgggactgta ctgtctgtgg aacttagcaa 360
attaatcatt ttcttcagac ttgaaggaga gtgataaata aaatttgag tcataggata 420
ttgatgcaca atttaaggat taaacatttt taatcaattg tggatgatgg cttattaaat 480
gttgacttcc tagtataa 498
```

<210> 321

<211> 283

<212> DNA

<213> Homo sapiens

<400> 321

```
ccacagcctg agtgacgaat ttctactga atgtaccaag ttccaatttt taaggggggg 60
```


<210> 325
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 325
 ggaagggctg ggggcctgaa taatccctga ggagtagtag aatagcagat ggaacactga 60
 gaagttatTT ccttgaggat agatttccac gatggaaagg aaatgagagg ttctgagagg 120
 cgggatagtg gcttgtacta t 141

<210> 326
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 326
 aaacaaagca gtgcagttct tagccaaggg taagtactgc aactgtcgag agcatcttgt 60
 ctccacaca gttgggtgac tctccgtttt gacacaaaga taagccttgc ccttgtttcc 120
 ttttgggagg gatatatcca ctgagatgag aggccaaact ccgtttttca cgagattttt 180
 tgacttttag cttcattttc ttcttggtcag gatcatgtac aacagcatgc ctagtgagac 240
 tttgtttcat tgcaaatgtt ttgccacagc cagcatgttc acacacaaaa gggcggcttt 300
 cctcatggaa ggagaggata tggccttggg gattaaacac agttgtatag gttcttccac 360
 agccttctct tggacagcga catacatccc tttctggggc atgagttttc atgtgttgct 420
 taaggtaatc tttgcgttt 439

<210> 327
 <211> 538
 <212> DNA
 <213> Homo sapiens

<400> 327
 aaagatcaat ttccccagag ggtgtgcaat gcatcataaa atggcccttt tttgaggatg 60
 ggagaggaag ggttgggcag gatggaatat taaattgtaa catgataaac atgcaagact 120
 gttatccaat ctagataatt tatatacatt ttgatgactt aggaaaacaa agcaatcatt 180
 tgtgacaagc ctaaaaagct tgacatattt aacatactta ggaacttttt ttgtgcgggtg 240
 ggaattctct aattgtatca tgtgggcctt ttgaaagtaa caaacagaag gccagtctgt 300
 tgcaagtttg ctgctgaaca tcacattcca ccctaagaaa acacaagggtg gattgcatcg 360
 aggggtggata ccttacctta gcacagaagg aaaaagtatg tcagtgcaaa gtatggacta 420
 aactgctttc aggaaaaaag ttgtaaaaat tgatacaggt tggaaaaagg aattttcctt 480
 cccggcttgg agtcctccca atttaaggca gaacccatcc actccaattt ctgcagtt 538

<210> 328
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 328
 ctggctctta cctcctggct ttctctccta caaacacacc cattccttgg gggcttgtaa 60
 cacagtgcga ggtgggtcac caacaggcat cagactgggt tagtcatcag cgggtagctg 120
 gtaggcttgg aagacgctga gcagatcctt cataccagcc gtgtatggga caccctgcat 180
 gcggaccaag gctcctgact gggacaacac tgagggtggg gcagaggcca gggcagcagt 240
 ggggtgtagt aggtagccca cagtgggtgg ggagactggg gggcttgggt agtaggctgt 300
 gtagttcagg tagagttgag tggctggccc tggatagtag gcaacagggg tgggggcagc 360

aggcaccctg gcag

374

<210> 329

<211> 270

<212> DNA

<213> Homo sapiens

<400> 329

```
ccaggtagag gccaggagc agggccagca cctccatcac caccacacc agcgctgtgc 60
ttgcacacag gccagcacc tccgggaaga accttttctg aatgccagc gccatcccag 120
ccaggagcac gtaagtaatg aaggccatcg tggggatata gaggtcaggg gcgttgaggt 180
cttgccgggg gggcagagga gcatcacgac tgtactgcac ttcccagttc tgggtgtgtgt 240
aggggaagac cagcagccct agcttcttgg                270
```

<210> 330

<211> 402

<212> DNA

<213> Homo sapiens

<400> 330

```
aaaataagca caccaagtta tatgactaat ataacttgaa aattttttat actgaggggt 60
tggtgataac tcttgaggat gtaatgcatt aataaaaatc aactcatcat tttctacttg 120
ttttcaatgt gttggaaact gtaaaatgat actgtagaac ctgtctccta ctttgaaaac 180
tgaatgtcag ggctgagtga atcaaagtgt ctagacatat ttgcatagag gccaaaggat 240
tctatttctaa taactgctta ctcaacacta ccaccttttc cttatactgt atatgattat 300
ggcctacaat gttgtatttg ttatttatta aattgtgatt gttttattat tgtttatgcc 360
aaatgttaac tgccaagctt ggagtgacct aaagcatttt tt                402
```

<210> 331

<211> 351

<212> DNA

<213> Homo sapiens

<400> 331

```
ctgggaaatt gagtttttga ctgaaacatg gagccttcac tgcttttttt ctgggttcta 60
tgaagatttg gaacatagaa aacacaaaaa ctcaccttaa aatttgagca ggtcggtgat 120
ggcaaaaata attttaagga aaaaggaata ttcttatgta gttattctaa agtttaagga 180
gcgttggttg ccataatatt gcttagtttt cttactgctg ttaagtaagt aaattgtttc 240
aaagtagggt ttgtgtgtgt gtgcctagt taaaagaact gaaattttga tgcttacage 300
acttggtctg tgcatttgta tcaaaatttg cctgcctctt tatgaggag g                351
```

<210> 332

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 92, 472, 473

<223> n = A,T,C or G

<400> 332

```
cctatgtttt gaacgagacc aatctgttgg agaccctaaa attgacttaa ttagaacatt 60
aaatatctct gtattgactg tcatagagtg gncccagggt cacttctca gggagatcat 120
```



```

cgaggccatg ttgaaagcct atcagcagaa gctctttgtg actcacacag ttgacgaatt 180
gctctggggc tacaaagatg aaatcttgtc ccttatccat gttttcaggc ccgatatctc 240
tcctatattt ggcctattct atgagaaaaa tgggactaat gatggagact atgtttttct 300
aactggagaa gacagttacc ttaactttac aaaaattgtg gaatggaatg ggaaaacgtc 360
acttgactgg tggataacag acaagtgcaa tatgattaat ggaacagatg gagattcttt 420
tcaccacta ataaccaaag atgaggctct ttatgtcttc ccatctgact tnngcaggto 480
agtgtatatt actttcagtg actatgagag t 511

```

<210> 333
 <211> 342
 <212> DNA
 <213> Homo sapiens

```

<400> 333
ctggcggtgc tggcgcgggc gctggcgggc gcagccctcg tactgatttc catcgttgca 60
tttacaactg ctacaaaaat gccagcactc catcgacatg aagaagagaa attctttctta 120
aatgccaaag gccagaaaga aactttaccc agcatatggg actcacctac caaacaactt 180
tctgtcgttg tgccttcata caatgaagaa aaacggttgc ctgtgatgat ggatgaagct 240
ctgagctatc tagagaagag acagaaacga gatcctgcgt tcacttatga agtgatagta 300
gttgatgatg gcagtaaaga tcagacctca aaggtagctt tt 342

```

<210> 334
 <211> 280
 <212> DNA
 <213> Homo sapiens

```

<400> 334
cgcagaagcg agatgacgaa gggaacgtca tcgttttgaa agcgtcgcaa taagacgcac 60
acgtttgtgcc gccgctgtgg ctctaaggcc taccaccttc agaagtogac ctgtggcaaa 120
tgtggctacc ctgccaagcg caagagaaag tataactgga gtgccaaggc taaaagacga 180
aataccaccg gaactggctg aatgaggcac ctaaaaattg tataccgcag attcaggcat 240
ggattccgtg aaggaacaac acctaaaccc aagagggcag 280

```

<210> 335
 <211> 447
 <212> DNA
 <213> Homo sapiens

```

<400> 335
tccgggaaga tggcgggcgt gcaggcgggc gaggtgaaag tggatggcag cgagccgaaa 60
ctgagcaaga agtggtggtg atcattagtt ccagggtgct ctgccatggt gacgcaagct 120
gctgtaaggc ttgttagggg gtccctgcgc aaaacctcct gggcagagtg gggtcacagg 180
gaactgcgac tgggtcaact tgctcctttc acagcgctc acaaggacaa gtcattttct 240
gatcaaagaa gtgagctgaa gagacgcctg aaagctgaga agaaagtagc agagaaggag 300
accaaacaga aagagctcag tgagaaacag ctaagccaag ccactgctgc tgccaccaac 360
cacaccactg ataatggtgt gggctcctgag gaagagagcg tggacccaaa tcaatactac 420
aaaatccgca gtcaagcaat tcatcag 447

```

<210> 336
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 119, 170, 183
 <223> n = A,T,C or G

<400> 336
 aaaaaaaaga cattttattca gcgtcacgat cagactgtta catttagcaa tcaacagcat 60
 ggggtgcaaa aaaaaaaaaa tctacattaa aaccctttgt tggaatgctt tacactttnc 120
 acagaacaga aactaaaata acctgttata caattagtca caaatacagn cctcgagttt 180
 ttngcccata cacatg 196

<210> 337
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 337
 ctgacgcgtc atttcagcat tttccagcc ttttttgaag ctctctagga agccttcccg 60
 tggaggtaat ttgtccaggt catgtacaac acgctggggg attttaagta cagtgcgtac 120
 tgctggaatc cggagacagg atacttggac cagggaaaac agattggagg agagccagta 180
 cataaacact gccgtgggga aatgcatggt tatgggcaag gttatcaggg gcatcattct 240
 gatgacattt ctcattccact gaaggtcaga actttgcaca cctgtctcag cacctagctc 300
 aagaacagcc cacattgtag cagtgactgc cagtggtaat atgtagatgg gatcggatac 360
 cgtgagatcc tggaaccacc agaggccacc tgtctgcagg ctgggcacag gaaggttgg 419

<210> 338
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 338
 aaatgcaaat ttttacatta aaatatgttt ataaatcata gtagttgttt tccctottga 60
 ttcaacattt ctccttcccc taacaggagc cctagaacct gaagagcatg tacattacta 120
 acgagatata caatccagcc accctgtcca aactggaatc tgattactaa tggactacac 180
 tcgaggctgc ccccaaggga tgggaagcag taactacgct ctcagggaga atgggtactg 240
 aggatgccac cagtcaaaga gccgaacgct gtgactggg tccaggatga cttgcacacc 300
 ctgttactg cgcagtttcc gaccaccatg gacaggggaa tcttggaaca ccagtctcac 360
 tcgatgatgc cgcattgtcc tgctcacatt gatagtaaac agagtaaata tcattcccat 420
 gacaatcgga ataaagatga aattgagggt ggtgacctgc agtaggcagc agtcctgggtc 480
 tggattggta t 491

<210> 339
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 339
 ccatacaggg ctgttgccca ggccctagag gtcattcctc gtacctgat ccagaactgt 60
 ggggccagcg ccattcgtct acttacctcc ctctgggcca agcacacca ggagaactgt 120
 gagacctggg gtgtaaattg tgagacgggt actttggtgg acatgaagga actgggcata 180
 tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
 ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
 caaggcgggg ctctgatgc tgg 323

<210> 340

<211> 512
 <212> DNA
 <213> Homo sapiens

<400> 340
 gctcccccta ctgcctatat cgacttcgcc cggcagaagc tagatcccaa gattgctgtg 60
 gctgcgacaga actgctacaa agtgactaat ggggctttta ctggggagat cagccctggc 120
 atgatcaaag actgcgagc cacgtgggtg gtcctggggc actcagagag aaggcatgtc 180
 tttggggagt cagatgagct gattgggcag aaagtggccc atgctctggc agagggactc 240
 ggagtaaatcg cctgcattgg ggagaagcta gatgaaaggg aagctggcat cactgagaag 300
 gttgttttctg agcagacaaa ggtcatcgca gataacgtga aggactggag caaggctgtc 360
 ctggcctatg agcctgtgtg ggccattggt actggcaaga ctgcaacacc ccaacaggcc 420
 caggaagtac acgagaagct ccgaggatgg ctgaagtcca acgtctctga tgcggtggct 480
 cagagcaccg gtatcattta tggaggctct gt 512

<210> 341
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 341
 ctggtaggga gcaattctat tatttggcat tgcattggctg ggttgaatta aaacaggag 60
 tgagaacagg tgagtctaga agtccaactc tgaaaaggac cactgtacat ttgaacacac 120
 ggctgtgtta aagatgctgc taatgtcagt cactgggtgc actaaaggat ctcttatttt 180
 atgtaaaacg ttgggattga caagatagat ctgatactct gttaagttac cctctgaagc 240
 tacttcttgt gaaatactaa tgacagcatc atcctgcca gcgaaagagg caggcataag 300
 caaggacaaa ttaaaagggg gtaagagcct tatcatgatg aggagtcttg ttttgacatc 360
 ttgggaaaag ctgtccatag tgtgaagtcg tcaatttctc accatgggtt gcagtttgcc 420
 tgtctctagt taggtgaagt ctctgagtgg cacacacctc agg 463

<210> 342
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 342
 cctagttgga tgcgggtcgg tcctgcccac ggccccagtg aggggagccg aggctaggaa 60
 ggggcaagtt ttatgtgttt gggagggggt gtctcttccc ggctcttgcg tcttccccct 120
 ggagcgtcag tatggtcggg ctctggtgac ccagccgctt tgctctccga ctttggaag 180
 agtagcaagg agaggtcctg gcaagtacac cctgggtgac aaacggctat gagagttccc 240
 aggtgatttc tcgagcagct tcagtttacc ggagcccagc caggagagag aatttttagca 300
 caggaaacgc aatcccgtgt ccaagctcct agaataccca ggactgagaa ccaaagcaac 360
 agacttttcc caggagacca cactgcctcc ccacctcttc tttaacctct cacttgga 419

<210> 343
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 343
 ccttggtgtc ttcacataca ttctctgagc caacatctat ccagcagccc tgacctcttg 60
 ctataattta agtctatttc cttttaatct aataagagtt gatagtaaaa aggcaggtga 120
 tggaaatcag tgtataaatc acaatggagt atattggcaa ctccacagct tatagtttga 180
 taaaggcaaa tacatgaaaa ataaaaatgc tactaatgcc ccaaggtgtc tatcaaaatg 240


```

ggggacgggtc gtattttctt cctacccgc caagtcattc tttctactgc ttttgaggcc 120
ctccctcagc tctctgtggg taggggttac aattcacatt ccttattctg agaatttggc 180
cccag                                           185

```

```

<210> 348
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<400> 348
cttgaggctt tcaggggttg tgacatcaag gctcaacctg tggatcagca ggaccagga 60
atctggagat caggaccccc aggaggcaca gaaagcatca tctgcaaccg agaggactca 120
gtggggacag aaatctgact cctcgctgga cgctgagggtg tgacaagccc cgccaagaca 180
gacctgcaag tcttcgtctc aagggacctc cctcatgccg ggccctgcc tctcacagca 240
gcaccctttc ctctcattgt ccctgttccc tttttgcctg tggatctgtt tgg      293

```

```

<210> 349
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 563
<223> n = A,T,C or G

```

```

<400> 349
ccaccatcat ttaatgacat tcaattaagc atttcttgaa caatttctac caaaaaaata 60
atttcctcct ctaaaacatt gataaaattg ataactgggt acctaacagt tgcaaaacat 120
gtctacacca ttctttagta tgaaaagcaa cataaaaaaa tggagcatca aaatatttta 180
tttcaaattt attttatgcc agatccaagc tgtaactgga acctattccc agtctatggg 240
tttctgaatt tcattttcct atttattgta tttttatgag aaacttggtg taatgagtct 300
gtaccacttt atttgacatt tactaaagct gtataaaagc cgtgcacagt ttatttacag 360
tattgtacat taaatgataa tgtttgaaga tcacacaaag atttcacaaa actataacta 420
atacagaaag atgtgtgaaa acattagggg ctttcaaaat tttagggtatg gaattttgca 480
aagattattt tggcttataa gtgttaggca atcactaacc tgaaataagt gacaaaaaca 540
tgcagatgat taccatttca acnaatg                                           567

```

```

<210> 350
<211> 528
<212> DNA
<213> Homo sapiens

```

```

<400> 350
cagagatcac gccactgcac tccagcctgg gcaacaagag tgaaactcgg tttcaaaaaa 60
aaaaaagaaa ttagacgtta aaaaaagatg tgacacatca tatcaaaatt gtctacacta 120
cattaaagga gttaaaaata ctgaaatgta gcaagacgaa cttgtctcga gacagggctc 180
tgctctgttg ccaggtctgg ggtgcagtgg cgccattatg gctcactgca gtctcgacat 240
cccgttctca cgcaatcctc ctgcctctgc ctcttgagta gctaggccta cagctatgtg 300
ccactacgcc cagctaattt tttgtataga tgaggttttg ccttttttcc tttctgtaga 360
gatgagggtt tgccatgttc gccaggctgg tctcgaactc ctgacctcaa gtaaccgcc 420
cacctcagcc tcccaaagtg ctgggataac aggtgtgagc caccaccaag cacagccaaa 480
aatgcctttt tttttttttt gagacggagt ctgcgtctgt catccagt      528

```


<212> DNA
<213> Homo sapiens

<400> 354
cggccgaggt ctgttcagta tggcaaaggg cagaacttact ccttcatcca ctctgctgcc 60
ttgatgaggt gaacacactg gaataagatg gagggcagga tacctgcca agcttgagga 120
atgagatgat ctgaaacaat tgggcaaagg ctggacatgt caaaaagctg acttccaact 180
gcagtttatg ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca 240
gccaggctag gccaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg 300
gcctgtcagc atctgcagca g 321

<210> 355
<211> 357
<212> DNA
<213> Homo sapiens

<400> 355
ccaaacttgc atttgcattt tgcactcatg acgatgatga tgcccatggc gcacagaacc 60
ccagcgcaga tgagcccgcc aacctggagg ctgtgccagt catagtagaa aggactgttt 120
ttatcttcta ggtcattggc gtccaggaca ggaaagcctg ccaggaacac aagcaggccc 180
agggtcacct tctgcatgtc agagcgttg cctcttaagc ctctttccag gggctcctcc 240
aagccacctc tggcctgcaa ggccccacta taccoccttc ccatgatgtc atccagccaa 300
gactgacaga tggatcctc ctgcgccag cctctgtgtg gttcaccagg ctgagca 357

<210> 356
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 405, 406
<223> n = A,T,C or G

<400> 356
cgccgcccgt tgtgctgcag ccatgtctct agtgatccct gaaaagttec agcatatattt 60
gcgagtactc aacaccaaca tcgatgggag gcggaaaata gcctttgcca tcaactgcat 120
taagggtgtg ggccgaagat atgctcatgt ggtgttgagg aaagcagaca ttgacctcac 180
caagagggcg ggagaactca ctgaggatga ggtggaacgt gtgatcacca ttatgcagaa 240
tccacgccag tacaagatcc cagactgggt cttgaacaga cagaaggatg taaaggatgg 300
aaaatacagc caggtcctag ccaatgggtc ggacaacaag ctccgtgaag acctggagcg 360
actgaagaag attcggggcc atagagggct gcgtcacttc tgggnncctt cgtgtccgag 420
gccagcacac caagaccact ggccgccgtg gccgcaccgt ggggtgtgtcc aagaagaaat 480
aagtctgtag g 491

<210> 357
<211> 237
<212> DNA
<213> Homo sapiens

<400> 357
ctgttgctgt tattacagtc cagcttagaa gacaatacgt caggaaatat gaaggagaag 60
ctgaggaacg aaagaaactt cgacaagaga atggaaatgt acatgctata gcataactga 120
agataaaaatt acaggatata acattggagt cactgccaaag tcatagtcat aaatgatgag 180

tcgggtcctct ttccagtga tcataagaca atggaccctt tttgttatga tggtttt 237

<210> 358

<211> 434

<212> DNA

<213> Homo sapiens

<400> 358

```
ctggggaggg cagcaatcta gcacgtttac caggctcaca gatggctcta gcttgaattt 60
gcgtgtgatg gcacttagaa cgcgtagctg ggaggcccgg tcctcatttg cccccacaaa 120
caccagcttg tcaaactctgc caggccgcag aagggcaggg tccaggagat ctggtctgtt 180
ggtggctcca atcacaaaca catcctgagt gctgtgcagc ccatctagct cggcaaggag 240
ctgagacacc accctgtcca tcaactctcc agaattctcca cttcgccccc ggcttggggc 300
caaagagtcc agttcatcaa agaagataat gcatggagct gcagccctgg ccttgacaaa 360
cacttcccg c acattctct cactttggcc cacatacatg ttaatgagct ctggcccctt 420
cacgtgagg aagg                                     434
```

<210> 359

<211> 219

<212> DNA

<213> Homo sapiens

<400> 359

```
aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
gcttcacaat cttttgctta ggtgctgcct ttgtaggtgc cttagcagca gccattgcag 120
tctttttaga tgcttgctta gccttttttg cttccttagc agccctgata gcttgttctc 180
gttgagcctt tctaacttca ggtttctgat tcctcttg 219
```

<210> 360

<211> 361

<212> DNA

<213> Homo sapiens

<400> 360

```
aaaatcctgg ataattatat acttaaagct catgagcata aagctcactt gaccatgcag 60
aaatgctggg aagcagggtg catggcatgg gaatacatct cctgatctt tgagagagcc 120
tctctggata ttctttcaga gcatgagcca ggatgtactg actactttct tcacacatca 180
gttgcccttt atgatctcag ttcataaaact ctttgttggt tgtagcaatc aaaagtcata 240
ttacttctgt aaaactaaca ttatataggg tgtatagtcc cagacaaatt atatgaagct 300
agatttttct tgccctggcc caatttatca ttcctcctcc tgcccacacc tacctccctt 360
t                                     361
```

<210> 361

<211> 497

<212> DNA

<213> Homo sapiens

<400> 361

```
aaatacaggt ttgtagggtg gtattttgtt ttttccagct ataaaaaag gcccaaaagt 60
gcatgtgtga ggggggaaag gcagaaatta agcaataaag tcattttccc tggagggaca 120
tgagagggag aaaacaggag gcagtgtctg gagaacgcac tttcctcacc actgggcttc 180
ttgttattct tagtatttgt ccacaaaagt tatattcaca ttctagcttt gatgcctctt 240
tcctgggatt aaatgagctg aaagacctct gtgaactgta gagaagacca ggggctcagc 300
ccagcccagc ccagcccctc agggctctgt gctcttctag ggatggatgg ttttggtaaa 360
```



```

gaacagacgc ccagcagccc ccggtcactc agcaccagtg tgacagtccc tcctctctct 420
gggggtgtgt aagaaaacgg cccctatttt taggacagga agagtagagg gggggcctgc 480
agcaagattc catgact 497

```

```

<210> 362
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 362
aaagctttta gagaatacac tacaccaggg agtatgacta ctagtatgac tattaggagg 60
gtaataccaa gagttggact acgcacctta ggcaagatac aaaccaacta aaatagaata 120
aagaatgagt cagatgagt tagccatttt aaccaagcag cacatttggt aatttctaca 180
acttagtctc agcgataccc attgtattta gccatgttca acaacaagtg tcagaaactg 240
cacagactcc tcctgttca g 261

```

```

<210> 363
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 46, 126, 132, 156, 225
<223> n = A,T,C or G

```

```

<400> 363
gtacaagctt tttttttttt tttttttttt ttttttttta tggggngcgt gcaggtagag 60
gcttactaaa agtgtgaaaa cgtgggcttg gattaaggcg acagcgattt ctaggatagt 120
cagtanaatt anaattgtga aaatgataaa gtgtanaggg aagggttaatg gttgatattg 180
ctaggggggc gcttccaatt aggtgcatga ataggtggcc tgcantaatg tt 232

```

```

<210> 364
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 364
ccaccatcta tgcaaagtga aagctctgaa caagggtgat gccaaactctg aagtcactgt 60
gtactaccag tcaggtagga ggagtctaag agaataacg cttatggagc tgcttgtgat 120
gcacatggaa gaacctgtgt ttgacttcct tcgaaccaag cagacccttg ggtaccatgt 180
ctaccctacc tgtaggaaca catccgggat tctaggattt tctgtcactg tggggactca 240
ggcaaccaa tacaattctg aagttgttga taagaagata gaagagtttc tttctagctt 300
tgaggagaag attgagaacc tcaactgaaga ggcattcaac acccaggtea cagctctcat 360
caagctgaag gagtgtgagg ataccacact 390

```

```

<210> 365
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 365
ctgctgcaga tgctgacagg ccctgggagg ctgctgtgct ctggagaagc tggagcagct 60
catttcttgg cctagcctgg ctgcctcaga aagagcagtc aggacttgag ggaagcatca 120

```

```

aattctatac ccataaaactg cagttggaag tcagcttttt gaaatgtcca gcctttgccc 180
aattgtttca gatcatctca ttcttcaggc tttggcaggt atcctgccct ccattcttatt 240
ccagtgtgtt cacctcatca aggcagcaga gtggatgaag gagtaagtct gccctttgccc 300
atactgaaca g                                     311

```

```

<210> 366
<211> 611
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 522, 543, 582, 590, 597
<223> n = A,T,C or G

```

```

<400> 366
aaaagatatt taagtttaat acaaatttta tacaaagaaa atgtgaaaaa atacttccat 60
atgctaaaag caattatgct tcacaaataa ggccagctag gctatttttt ttttttgaca 120
actgcaattc acaaatgttc tttctctcct gttttcttct aatactctct tatttcttct 180
ctaatatggg taactagctg gaaactgtac agttcgcatc ctcttaacaa tgaagagaaa 240
gtaaacaaga ctaaaatgta caacaaaacg tactggaatg atatcgtaaca attaattttc 300
tcatatacat acatcacctt ttgctttttc atcaatgctt tttgtttttac acaacataca 360
aaatggctct acagcatagc tagtgtacgg acagcatgac gggccttgct ttctctcata 420
ctgcctgtgt ttcatgctta cataaaaacg tgaaattcca tcatataaat aatacgtaca 480
tgcttcatcc cagactcaaa cgtcctctgc gtgcaccttg cntttgagtc cttgcttcca 540
agnagcacag catctctgac caagtgtgtg tgagtgtgtt tntgtgctgn gagctgngtt 600
catgtatgtg c                                     611

```

```

<210> 367
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 367
aaaatcagtt acggcaattc acttaaggag cttgagggcc gtgttaaaaag gagccagggtt 60
ttcacaagac ctcatccacc tctgcacatt ggctggcact gccacactgc agcctccgat 120
ctgctggagt acagaccaca gcaccacgtc tgctacggtg agttcattcc cagcgagcca 180
agggtcttcc ccaagagcag agttcatgga gcggaaaaca ggggcttttt ctttactgct 240
tccctctttt aactgaaaaa tcgcaatata taccagcta tctataagggt ttgcgttgac 300
agcattatgc ttctgg                                     316

```

```

<210> 368
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 368
atcagcctct cttactgtac tctccgggaa tgtaaacctt tctattttca gcctgtgcca 60
cctgtctaga caagctggct tccccattgg cccctgtggg tccacagcag cgtggctgcc 120
ccccagggcc accgcttctt tcttgatcct ctttccttaa cagtgaactg ggcttgagtc 180
tggcaaggaa ccttgctttt agcttcacca ccaaggagag aggttgacat gacctccccg 240
ccccctcacc aaggctggga acagagggga tgtggtgaga gccaggttcc tctggccctc 300
tcca                                     304

```

<210> 369
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 369
 ccaggtgatac atttttctac aacggcattt ctcaacctcg gctgcatata aaattacctg 60
 ggagctttct aaaaattctg aaatttggtc ctaattctca gcagattctg acgtgattaa 120
 tttgggggtga gtgccaggta ctgttttttt gggttttttt taatctccct aggtgatttt 180
 aatgtgaaac caagattgaa gcctcagctt gaagaaaaat agattcatag aaaactctgg 240
 cccctccccg ggggcctgcc ctgctcgctt caacatcttg tgcttttttg caagagaggg 300
 ctgaggagcc tgctggtcgc tctctgctg ggcccgggcc ctgtctcttt ggtatcagat 360
 tctgagcagg ggagggagct ggaaggagat gcagcagagg aagccaaatg cctcaacaa 420
 cac 423

<210> 370
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 370
 atttaactgt ggggttgggc ctgtccttgt ggtatcaaag gagcagacag agcagattct 60
 gagggatata cagcagcaca aggaagaagc ctgggtgatt ggcagtgtgg ttgtacgagc 120
 tgaagggtcc ccacgtgtga aagtcaagaa tctgattgaa agcatacaaa taaatgggtc 180
 agtggtgaag aatggctccc tgacaaatca tttctctttt gaaaaaaaaa ggccagagt 240
 gctgtcttaa tatctggaac aggatcgaac ctgcaagcac ttatagacag tactcgggaa 300
 ccaaatagct ctgcacaaat tgatattgtt atctccaaca aagccgcagt agctgggtta 360
 gataaagcgg aaagagctgg tattcccact agagtaatta atcataaact gtataaaaaat 420
 cgtgtagaat tttgacagt caattgacct agtccttgaa gagttctcca tagacatagt 480
 ctgtcttgca ggattcatga gaattc 506

<210> 371
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 371
 cetttcaccc ctccgggtgtg ctatggatgg cttctaacaa aaactacaca tatgtattcc 60
 tgatcgccaa cctttccccc accagctaag gacatttccc aggtttaata gggcctgggtc 120
 cctgggagga aatttgaatg ggtccatttt gcccttccat agcctaatac ctgggcattg 180
 ctttccactg aggttggggg ttgggggtgta ctagttacac atcttcaaca gacccctct 240
 agaaattttt cagatgcttc tgggagacac ccaaagggtg aagccattta tctgtagtaa 300
 actattttatc tgtgtttttg aaatattaaa ccctggatca gtcctttgat cagtataatt 360
 tttt 364

<210> 372
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 372
 ctgggtcccc ccagcaggct ccaccgctga gggcctgac attagctgtc agcccctggc 60
 ctgctcagac tgcaaacggt catacaaagt ggtctagggg ccagcaaaaa taataaacca 120
 ccccataaa cagacacata cacaagtag atttgttacg cagtttaca gcatgttccc 180

atcacacagc aagaccagga caggtgattc agggtagcag ataagggaag acacccaaaac 240
acaggaattg aaaaggcaag acccccgtcc ac 272

<210> 373
<211> 462
<212> DNA
<213> Homo sapiens

<400> 373
aaatgtttta ggcaaccta gaacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttggatttca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg cttttgtgat tttttttttg atacttgcct aacatgcatg 180
tgctgtaaaa atagttaaca gggaaataac ttgagatgat ggctagcttt gtttaatgtc 240
ttatgaaatt ttcattgaaca atccaagcat aattgttaag aacacgtgta ttaaattcat 300
gtaagtggaa taaaagtttt atgaatggac ttttcaacta ctttctctac agcttttcat 360
gtaaatagat cttggttctg aaacttctct aaaggaaatt gtacattttt tgaaatttat 420
tccttattcc ctcttggcag ctaatgggct cttaccaagt tt 462

<210> 374
<211> 506
<212> DNA
<213> Homo sapiens

<400> 374
ttgttttgtt acatagtgtg caacaaatta caatattctg cagccacaaa ttatatgcag 60
agtatgaaga aactattaat cagatagtgt aatctttcca tttataactc tacaaggaag 120
aactagcaaa tcagatctta catataacat ctactaaaac tttatgcatg gaaagtgaca 180
gacactgctt gtgctgtttg atacaaaatg gctgaaactc atcttcagaa gactaaacct 240
gacatctaaa catgccata taaacatcaa aacaaaatat attctaacca accacgggaa 300
acagtctggg atcaggaaaag caacaaggat tacacacatt attttataaa ccagcacaca 360
aaggttttaa acagttctga aaatgaagtt agctgtcttg agtcaaggga ataaaaaaaa 420
agtcagtatt gaccatttac aatctctgac ctttgtggag acggtgaaga tctgtttgtg 480
tgcagctaca tacagtacaa ttcagg 506

<210> 375
<211> 425
<212> DNA
<213> Homo sapiens

<400> 375
cctggcgga aagaaggctct agaacctgct tatagagcca caacaggggtg cagacaactg 60
tgatgtcagc caatgtcact cgttcgcca ccagaaaagt cctcgtcttc aagtaagcat 120
ccagcagccc tagaattcgc ctcaactcct cctttgcatt ctcaagtggc tgtttgttgt 180
gggtgcatgat gcccaagggt gggaacaccc aggtactggc tgggggcact atatcggaat 240
cagcaaagct caccactgac accacctggg ctgctgcctc tggagtactt cccgcagct 300
cctcattgct cacatagtag gcaatggcgt tgctctcaaa cacacagaat ccatcatcac 360
cctcaaatgc tgggaccttg ccggcaggaa atttgcggag aaattcaggg gtgcggttgg 420
tttgg 425

<210> 376
<211> 417
<212> DNA
<213> Homo sapiens


```

actctgaagg gacgcacagt tatcgtgaag ggccccagag gaaccctgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctattttagt tcatgtacag 240
aacatgatca aggggtgttac actgggcttc cgttacaaga tgagggtctgt gtatgctcac 300
ttccccatca acgttgttat ccaggagaat gggctctctt ttgaaatccg aaatttcttg 360
ggtgaaaaat acatccgcag ggttcggatg agaccaggng ttgcttggtc agtatctcaa 420
gccagaaaag atgaattaat ccttgaagga aatgacattg agcttgtttc aaattcagcg 480
gctttgattc agcaagccac aacagttaaa aacaaggata tcaggnaatt tttggatggg 540
atctatgtct ct 552

```

<210> 380

<211> 139

<212> DNA

<213> Homo sapiens

<400> 380

```

aaataactat tcctcctcca ttccatcgac tcccagcacc agccaggagg accctcagtt 60
cagtgttcct ccactgcca acacacccac gcccgtttgc aagcgggtcca tgcgctggtc 120
caacctgttt acatctgag 139

```

<210> 381

<211> 186

<212> DNA

<213> Homo sapiens

<400> 381

```

ccaggcatgg tggcacatgc ctgtgggtccc agctactcag gaggcggagg cgggagaacc 60
ccttgagcca gggagttgga gggtgcagtg agccgagatc gtgccacagc actctagcct 120
ggcaacagag cgagactccg tctccaaaaa aaaaaaaaaa agaagatagt ttacacaaca 180
ccacag 186

```

<210> 382

<211> 403

<212> DNA

<213> Homo sapiens

<400> 382

```

tttttttttt tttttaagac cctcatcaat agatggagac atacagaaat agtcaaacca 60
catctacaaa atgccagtat caggcggcgg cttcgaagcc aaagtgatgt ttggatgtaa 120
agtgaaatat tagttggcgg atgaagcaga tagtgaggaa agttgagcca ataatgacgt 180
gaagtccgtg gaagcctgtg gctacaaaaa atgttgagcc gtagatgccg tcggaaatgg 240
tgaagggaga ctgcaagtac tctgaggctt gtaggagggt aaaatagaga ccagtaaaa 300
ttgtaataag cagtgcctga attatttggt ttcggttggt ttctattaga ctatggtgag 360
ctcaggtgat tgatactcct gatgcgagta atacggatgt gtt 403

```

<210> 383

<211> 436

<212> DNA

<213> Homo sapiens

<400> 383

```

ccacaactgt gaagttagaa aagccctgtc aaagcaagag atggctagtg ctccatccag 60
ccaaagaggt cgaagtgggt ctggaaactt tgggtggtgt cgtggagggt gtttcgggtg 120
gaatgacaac ttcggtcgtg gaggaaactt cagtggctgt ggtggctttg gtggcagccg 180

```

```
<210> 384
<211> 299
<212> DNA
<213> Homo sapiens
```

```
<210> 385
<211> 452
<212> DNA
<213> Homo sapiens
```

```
<210> 386
<211> 482
<212> DNA
<213> Homo sapiens
```

```
<210> 387
<211> 517
<212> DNA
<213> Homo sapiens
```

```

<400> 387
gaacctgcta aggetgcctc agacctgact gcctgggttca gcctcttcgc tgacctcgac 60
ccactctcaa atcctgatgc tgttgggaaa accgataaag aacacgaatt gctcaatgca 120
tgaatctgta cccttcggga gggcactcac atgccgcccc cagcagctcc cctgggggct 180
agcagaagta taaagtgatc agtatgctgt ttaataaatt atgtgccatt ttaataaaaat 240
gaaaggggtca acggccctgt ttatatgtgt ataattattt actcttattt ggtataaaagg 300
gttttcgtgt atctctatgt ggatctaaat aatacaggat tgtctagaag cggtttccag 360
gccaccgctc tcctgcctac atcccatcat ggctgctgcg gtgtcactgg gctaccgtga 420
gatccaagtt gaaatcagaa gcctactttg atggtagggt tgaatgacgt gtcctacagc 480
ctcagaggca gcaggaggct agcaaagctt aaatgcc 517

```

```

<210> 388
<211> 544
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 468
<223> n = A,T,C or G

```

```

<400> 388
ctgtttatga tcagcaagac tggggaggcc gagaccatca ccaccaacta cctgtttcttc 60
ctgggcctct atcgtgcttt gtatcttgtc aactggatct ggcgttcta ctttgagggc 120
ttctttgacc tcattgctgt ggtggccggc gtagtcaga ccatcctata ctgtgacttc 180
ttctacttgt acattacaaa agtactcaag ggaaagaagc tcagtttgcc agcataagt 240
ccaaagacca tcaccagcat ctgtccttca ggtgctcgg acagaattct taccacagca 300
aaggcataag atgcttgata cggaaaatca gaaacttaac tcttttggtg cagatagtca 360
tcagtggctc tgtaaaaacg cagaggaaaa gagccagaag gtttctgttt aatgcacttt 420
gccttatctt tttttattac tgtgtacaaa gattttttta cacaaagnaa cttaatgctg 480
tattaataaa ttcagtgtgt agcttcaatt gggatagttc caaaagtga gattttgtga 540
ggaa 544

```

```

<210> 389
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<400> 389
ctgacaagcc cttgcgcctg cctctccagg atgtctacaa aattgggtgt attggtactg 60
ttcctgttgg ccgagtggag actggtgttc tcaaaaccgg tatggtgttc acctttgctc 120
cagtcaacgt tacaacggaa gtaaaatctg tcgaaatgca ccatgaagct ttgagtgaag 180
ctcttcctgg ggacaatgtg ggcttcaatg tcaagaatgt gtctgtcaag gatgttcgtc 240
gtggcaacgt tgctggtgac agcaaaaatg accaccaat ggaagcagtg ttgcttggtc 300
agtatctcaa gccagaaaag atgaattaat ctttgaagga aatgacattg agcttggttc 360
aaattcagcg gctttgattc agcaagccac aacagttaaa aacaaggata tcaggaaatt 420
tttggtatgt atctatgtct ctgaaaaagg aactgttcag caggctgatg aataagatct 480
aagagttacc tggctacaga aagaagatgc cagatgacac ttaagacctt cttgtgatat 540
tt 542

```

```

<210> 390
<211> 276
<212> DNA
<213> Homo sapiens

```


<400> 390
 ctgatgccag aaggaaagcc gaaatgctac aaaatgaagc aaaaactctt ttagctcaag 60
 caaatagcaa gctgcaactg ctcaaagatt tagaaagaaa atatgaagac aatcaaagat 120
 acttagaaga taaagctcaa gaattagcaa gactggaagg agaagtcctg tcactcctaa 180
 aggatataag ccagaaagtt gctgtgtata gcacatgctt gtaacagagg agaataaaaa 240
 atggctgagg tgaccaaggt aaaacaacta catttt 276

<210> 391
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 391
 ctgctggtgg atcagatata cgagaacgcc atgattgctg ctggacttgt tgacgaccct 60
 agggccatgg tgggcccgtt gaatgagctg cttgtcaagg ccttgagcgg aactgacag 120
 ccagggggcc agaaggactg acaccacaga tgacagcccc acctccttga gctttattta 180
 cctaaattt 189

<210> 392
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 392
 cggaacaag gcagatggag tccctggtggg aacagatgga aggtactctt cgatggcggc 60
 cagtttcagg tccagtgagc atgagaatgc ctatgagaat gtgcccgagg aggaaggcaa 120
 ggtccgcagc accccgatgt aaccttctct gtggtccaa ccccaagact ccaggcaca 180
 tgggatggat gtccagtgc accacccaag cccctcctt ctttgtgtgg aatctgcaat 240
 agtgggctga ctccctccag ccccatgccg gccctaccog ccttgaagt atagccagcc 300
 aaggttgagg ctccagaccgt gtctagggtg gggctcggct gtggccctgg ggtctcctgc 360
 tcagctcaga agagccttct ggagaggaca gtcag 395

<210> 393
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 393
 ctgccaaagga gacctgtta tgctgtgggg actggctggg gcattggcagg cggctctggc 60
 ttcccacctt tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
 atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
 agcatgatct tcaccttgat gcccagcaca cctgtctga gcaacacgtg 230

<210> 394
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 394
 ctgtggtttt gccagtcaca ctgatgagtc caaaaaacct aaaggctcaa ccagacctcc 60
 agctcccagt gaaggttccc agtagctcag tgtggcgaag gcaggtttct gtcttccaac 120
 ctgccatggt tcccatgttt ccccaaaagt ttgcgtctta gaaacttaat cccagtgcg 180
 gcagtgttgg gacatgggta ggtcgggagg gctctgccac tgccattaca atgaggtaat 240

<400> 398
 aaattcttta attaaggcat tgggtcccaac ggtgcacata gattaaggga ttttgcttcc 60
 ttctgaacta gatcatttgt tagaggcttc agaaaaagaa aattagcttg aaatctagtc 120
 tgggaaattg ggggcagggg atgaaaaagt tgggtctcttg tttctccacg atacacaggc 180
 ttcccatcta aagtcatgct taactaaaag ggaaaaaaaa tgaaccaagc aaaagtatat 240
 agagtagccg tgacatttgc attattttct agactttaca tttgcctgca acaggcataa 300
 catgaaactc cagagggaat ttggattgat aggaatgttc acataaacac cagcagtggc 360
 taactgttac acaacattca aagtattcga gagaactgcc tggagacaga gagcgagggt 420
 ccacagacac attagcacca tactgatagg tcatgcagca ggatgntccc tcccgagt 478

<210> 399
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 399
 ctgggtggtc ctgccctgca tccgagaggg tgtcgggaca ctcattccaga tggctctgag 60
 acagcagcag agctgacaag gagggcccac aagtgagatt cctttggctt caaggctcga 120
 agtcctgtcc ttgggcctcc tggcctgctg agcctcccac cggctttacc ctcagagatt 180
 gctgcagaag cccgtgtgct ggaatgggct gccacatttc taggaaggaa cccgggggca 240
 catgtagcct ggttattcaa tgttatcata gacgtgaatc acatcctcgt ggttgctg 298

<210> 400
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 400
 aaagtacttt taagaaaaaa agcagggcct tggaaagttt gggtcttttt tcttcccctg 60
 ttgcaaattc tcatggtttg ggttgggtgg tggagagcgc gtgtcatctg cgggtggcac 120
 tgcccacggt gggcgggagg gctctctac tccaaggtga ccacgtttag attctgagac 180
 gggaagtgga ggggtgaatag gtcacggcgg cctttttttt ttagtttaac ttttctttt 240
 ttgctgtcta gtcactctcg tcggtcttct gcttcttggt atcgacatcg tcatcctcat 300
 catcttcag 309

<210> 401
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 401
 tgactaagat ggaagcgttt ttgggggtcgc ggtccggact ttgggcgggg ggteccggccc 60
 caggacagtt ttaccgcatt ccatccactc ccgattcctt catggatccg gogtctgcac 120
 ttacacagag tccaatcacg cggacccaga accccatggt gaccgggacc tcagtccctg 180
 gcgttaagtt cgagggcgga gtggtgattg ccgcagacat gctgggatec tacggctcct 240
 tggctcgttt ccgcaacatc tctcgcatta tgcgagtcaa caacagtacc atgctgggtg 300
 cctctggcga ctacgctgat ttccagtatt tgaagcaagt tctcggccag atgggtgattg 360
 atgaggagct tctgggagat ggacacagct atagtcctag agctattcat tcatggctga 420
 ccagggccat gtacagccgg cgctcgaaga tgaacccttt gtggaacacc atgggtcatcg 480
 gaggc 485

<210> 402
 <211> 260
 <212> DNA

<213> Homo sapiens

<400> 402

```
ccgggcaggt aaagctttta gagaatacac tacaccaggg agtatgacta ctagtatgac 60
tattaggagg gtaataccaa gagttggact acgcacctta ggcaagatac aaaccaacta 120
aaatagaata aagaatgagt cagatgagtg tagccatttt aaccaagcag cacatttggt 180
aattttctaca acttagtctc agcgataccc attgtattta gccatgttca acaacaagtg 240
tcagaaactg cacagactcc 260
```

<210> 403

<211> 76

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 11, 18, 30, 31, 46, 47, 61, 62

<223> n = A,T,C or G

<400> 403

```
ctggganatg ncgagctnct ctggcatctn natggacaca ttcagnntct tgggcaccca 60
nnctaagccg aatgtg 76
```

<210> 404

<211> 439

<212> DNA

<213> Homo sapiens

<400> 404

```
aaaattataa gatttacagt gccttgatta tgcaaaatag cataatggaa attaaaccaa 60
atcaataaac caaagagaaa gaaaacttaa ttttctctag tatccatact taaaccatct 120
ttgtaagtat ctgatgtccc aaccatgtct tatgtagaaa gtataatcgt ttcaaagtgt 180
tcacttgtag gtttaatttc tcattttcaa tttttatgaa ctgtaatgca atttcaaattc 240
ctattatacc tagtgtttat actgcaacag cagcaaattct cacatgtgta atcaaagtgtg 300
gaactggggc acagcttcta gctgtagaca gaaattatac actgcattca gtccaggaga 360
gtacattaca ttaaccagag cgtagagttt agtacactta ttgcagggtt ggtatttctt 420
tccctctgat ctgaatcag 439
```

<210> 405

<211> 365

<212> DNA

<213> Homo sapiens

<400> 405

```
aaaaaaaaatt aattgctcca agttttcagg cccaggggag gctctcccat tctctcctt 60
caatagtccc gtccaggaag ggtgatcttg tggataaatt catcatactt cactttgcc 120
ttgggttcga tatctgcttc cctgaagaga tcatccactt ccttggtggg gagcttctcc 180
cccagactcg tgagtittga ccgcaggctg gacgccatga cgtaaccttt cttctccttg 240
tccaccatca acatggctag aagaatttct ttctttgggt cttcttggtt tatttgcatg 300
tgcataatgg tcagaaaagt ggagaaatcc agctctccat ttccgtctat cccgtgggtc 360
tgcag 365
```

<210> 406

<211> 274

<212> DNA
<213> Homo sapiens

<400> 406
ctggaagcct tgttggtccc taagcctttg tttcatgcta cagtactgag gggatatgtgt 60
ccccaatgca cagccacccg cacacaactc aatgagcttc ctgggaaaca ctattccccc 120
acctccacct taggtggctg cctcagtttt ccaaccacag gaatcagtc ctcagctcct 180
gctctagtc tccaccccaa aagttcagtc gtctctgtct tggagggcac tgtcggcccc 240
ctcaggttga agttcaacac tcctcaatga gcag 274

<210> 407
<211> 440
<212> DNA
<213> Homo sapiens

<400> 407
aaaaagactt gtgcacttgc ccaggctcaa ggatattaaa atctagcaca taaagcccat 60
tactagaggt agaaatacag gcaatatact attacggcaa caaccatcaa ttacagttaa 120
gaatttttct gtaacaacca aatggataat caaatattgc aacaactcaa gtattactga 180
gcaaagtgca tttctacagt attcagtgct gctattcagt tttctaactt aaaacagcct 240
atgataactg gcagcaaaga aggtccttgc aatagactgc ctctgcttga gaacttatga 300
tgtaattatt gcatgctgct aatatactat ctaaacatta aagatactcc taaaatattt 360
gatggtagac tatgattaag acattacact acaaaaaaac cttatgcaga aggaaatcct 420
aactgacgtg cttctgcttt 440

<210> 408
<211> 266
<212> DNA
<213> Homo sapiens

<400> 408
ctgcagcttt tcaccacatt ttcaattact gaattgcatg ttttttttcc accttgataa 60
cttaggttca gtagaaagct atttacttac atgttatagt caatataact atactaaatg 120
cccatttgta attgaagaaa ctcacagaca cagtatgaac tatattatac aaaatcatga 180
ccatgagttt cagtgaaga ttctgtctct ctcttaaagc aagaaatata ccacagctca 240
gatttacata agtagtgccg cttttt 266

<210> 409
<211> 516
<212> DNA
<213> Homo sapiens

<400> 409
ccagctttat taccagattg tcatccagct toccatgata aacaatgtta tgtactttca 60
gatcaacaac aaaacgggag ccatctctct taccogagag ggatctcagg aattgaatcc 120
tgctaagaat ccttcctata atctggtgat ctcagtgaag gacatgggag gccagagtga 180
gaattccttc agtgatacca catctgtgga tatcatagtg acagagaata tttggaaagc 240
acaaaaacct gtggagatgg tggaaaactc aactgatcct caccocatca aaatcactca 300
ggtgcggtgg aatgatcccg gtgcacaata ttcttagtt gacaaagaga agctgccaaag 360
attcccatth tcaattgacc aggaaggaga tatttacgtg actcagccct tggaccgaga 420
agaaaaggat gcagtgaagta aaagagaaga gtttcacagg cgacaagaca aagtcctatg 480
cccatctaca gttgagagca aaatggattt tacttt 516

<210> 410

<211> 379
 <212> DNA
 <213> Homo sapiens

<400> 410
 cggcgccgcg cccatagccg gacggggatc tgagctggca ggatgaatgt ggggggtggca 60
 cccagcgaag taaaccccaa cacccgagtg atgaatagcc gaggcacctg gctggcctac 120
 atcatcttgg taggattgct gcatatgggt ctactcagca tccccctctt cagcattcct 180
 gttgtctgga ccccgaccaa cgtcatccat aacctggcta cgtatgtctt ccttcatacg 240
 gtgaaaggga caccctttga gactcctgac caaggaaagg ctgggtact gacacactgg 300
 gagcaaatgg actatgggct ccagtttacc tcttcccgca agttcctcag catctctcct 360
 attgtgctct atctcctgg 379

<210> 411
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 534, 541
 <223> n = A,T,C or G

<400> 411
 aaacattacc cagcatcatt gtttataatc agaaactctg gtccttctgt ctggtggcac 60
 ttagagtctt ttgtgccata atgcagcagt atggaggagg gattttatgg agaaatgggg 120
 atagtcttca tgaccacaaa taaataaagg aaaactaagc tgcactgtgg gttttgaaaa 180
 gggtattata cttcttaaca attctttttt tcagggaactt ttctagctgt atgactgtta 240
 cttgaccttc tttgaaaagc attcccaaaa tgctctatct tagatagttt aacattaacc 300
 aacataatct tttttagatc gagtcagcat aaatttctaa gtcagcctct agtcgtgggt 360
 catctctttc acctgcattt tatttgggtt ttgtctgaag aaaggaaaga ggaaagcaaa 420
 tacgaattgt actatttgta ccaaatcttt gggattcatt ggcaaataat ttcagtgtgg 480
 tgtattatta aatagaaaaa aaaaattttg tttcctagggt tgaagggtcta attnatacgt 540
 ntgacttatg atgaccattt atgcactttc aaatga 576

<210> 412
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 332
 <223> n = A,T,C or G

<400> 412
 ccaaatgtgt tacttgtgca ccaaagagtt ttttaaaaag agatttgctt acgggtgagc 60
 actgaagtat acattgtgcc aatgtaatta ttgtcttggg gaccttctag aacttgctaa 120
 atcatatagc aagaagagaa tgagttcagg cccagtaaat ctgggtgagtt aatttacatc 180
 tgtgatactg ccgtttttcc cattaaatgt ggttatggca aagcattctt agggtaataa 240
 ataaataaat aaactttgga caatgccttt acttgtgccc tatatacaga actattccat 300
 agaattttcc aggatttcaa gatactacac anagaaaaaa actgtaaagc aatttgggtc 360
 tttccaaatt tcagcag 377

<210> 413
 <211> 584
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 557
 <223> n = A,T,C or G

<400> 413
 aaaataatta cccatctttc agtcaatata cagccaactc ttgattatct atgagaaaacg 60
 taagtgcacat ttactctcaa acttcactct aacagaatca tccacctttg atacacttgt 120
 ttgtttttaca tcccatgtac actacagcct atcaagaaga agttataaca caaatgttgt 180
 ttcctctgac ccattgctaga aacgtgtaag gaaatggagt gagcacattc tgctagggct 240
 ttgcggatga ccctacagtg gacagtgggg gcaggataga actctggaca tgagaaaaga 300
 caaattttcat gttcctccag aatcaggtct tacatgcctt cgttattttg ttatcacaaa 360
 attaaaaacc tgaggcttag tcactatttt atatagataa tggagagttg actgtaatca 420
 tgttatgact ttagctcttt aacatgaaaa aattcacaaag aaagcatatg ataaaaagat 480
 taaaaagact gccatgacat ctagaagcat ttattttatg caaaaaactt aaatatgatt 540
 atgtgtacac ataaagngca cacattacct atgtgaaca atgc 584

<210> 414
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 414
 ctggatggct cttatgttat catctgtttc catcgtaggc tggagttttc cattcacact 60
 gaatgtacag aagaggccgt ttcatagaa tatgacacaa tgacctctc ttgaagcctg 120
 aatgagtttt ggtttcaggc agttttcagg accctccaag gtccctcaaca agtctccatt 180
 catggaatgt atgagacatg gtccttcttg tgaaccactc aacaccagg 229

<210> 415
 <211> 597
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 547, 549, 551
 <223> n = A,T,C or G

<400> 415
 ctgagagcgg aaaatgggtct tctcatgact cttgtttaca ctgcaaattt tgttgaccca 60
 gaggttttaa aaagacaagg ctatgatgct gcttgtgata tatggagtct tgggtgtccta 120
 ctctatacaa tgcttacagg ttacactcca tttgcaaattg gtccctgatga tacaccagag 180
 gaaatatttg cacgaatagg tagcggaaaa ttctactca gtgggtgggta ctggaattct 240
 gtttcagaca cagcaaagga cctgggtgtca aagatgcttc atgtagacct tcatcagaga 300
 ctgactactg ctcttggtgt cagacatcct tggatcgctc actgggacca actgccacaa 360
 taccaactaa acagacagga tgcaccacat ctagtaaagg gtgccatggc agctacatat 420
 tctgctttga accgtaatca gtcaccagtt ttggaaccag taggcgcctc tactcttgct 480
 cagcggaaag gtattaaaaa aatcacctca acagccctgt gaagtgcact cagtgcagata 540
 tttggtncnt ngtgtaagct gatagcacia gttctggcga caggtagcac gtatctg 597

<210> 416
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 416
 ctggatgggg agtccttgag ggaggaactt tatcttccca cgcagggccc ccagcaccta 60
 acacagtgtc gacatctgta attgctcaat aaacatcaac tgaatggata catgaaaaga 120
 aaggaacaaa gaggtgagaa ggcagaggga cagaagctga cccccagggg ccccatcaca 180
 gacccttgga gaaccagtgt gaccagcaca tgcttccgtg gggaggatgg gcaggggaga 240
 ggggcactgc agaggaggct gggccagggg ggaaccacac gtgttccagc acgtgcacct 300
 gcaggtctcc atgcacag 318

<210> 417
 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 464
 <223> n = A,T,C or G

<400> 417
 ctgctgtggt tgctccatt acaacgggct atacggtgaa aatcagtaat tatggatggg 60
 atcagtcaga taagtttgtg aaaatctaca ttaccttaac tggagttcat caagttccca 120
 ctgagaatgt gcaggtgcat ttcacagaga ggtcatttga tcttttggtg aagaatctaa 180
 atgggaagag ttactccatg attgtgaaca atctcttgaa acccatctct gtggaaggca 240
 gttcaaaaaa agtcaagact gatacagttc ttatatgttg tagaaaagaa gtggaaaaca 300
 caaggtggga ttacctgacc caggttgaaa aggagtgcaa agaaaaagag aagccctcct 360
 atgacactga aacagatcct agtgagggat tgatgaatgt tctaaagaaa atttatgaag 420
 atggagacga tgatatgaag cgaaccatta ataaagcctg ggtngaata agagagaagc 480
 aagccaaagg agacacggaa ttttgagact ttaaagtcgt tttgggaact gtgatgtgat 540
 g 541

<210> 418
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 418
 ccacaaagcc attgtatgta gctttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaacct gtaatcaacc 120
 cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180
 gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
 ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

<210> 419
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 419


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ccaattgaaa caaacagttc tgagaccgtt ctccaccac tgattaagag tgggggtggca 60
ggtattaggg ataattattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccacgcgaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctt tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgg 419

```

<210> 420

<211> 118

<212> DNA

<213> Homo sapiens

<400> 420

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aaaggaacat acttgccctg agatagcctt tgcgatattt aaatgtccgt ggatacagaa 60
atctctgcag gcaagttgct ccagagcata ttgcaggaca agcctgtaac gaatagtt 118

```

<210> 421

<211> 275

<212> DNA

<213> Homo sapiens

<400> 421

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ctgctcgatg ggcttaaacc gccactcgtc agcctccagc tcttctacca aaccagctag 60
tttttccatc cgagcaactt gctgatcatg tttcacctgt ttaagcgtgg atgccacttg 120
atagctaaaa acagattcgc agaggaatct ctccagagcca tcttctaaca tctctccagc 180
tcctttgggg taggtgaaaa gggctttccg tgggtggggca aggtctgaga cactgaaacc 240
agatccagtg acagaacttc cactgacccc accag 275

```

<210> 422

<211> 494

<212> DNA

<213> Homo sapiens

<400> 422

```

ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccattggg atgtcctgat ccaacatoga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctgtt atccctaggg taacttggtc cgttgggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggt gggttctgct ccgaggtcgc cccaaccgaa atttttaatg caggtttggg 360
agtttaggac ctgtgggttt gttaggtact gtttgcatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgcccgcc tottcacggg caggtcaatt tcaactggta 480
aaagtaagag acag 494

```

<210> 423

<211> 340

<212> DNA

<213> Homo sapiens

<400> 423

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caagaatttg gtgtggacgt tggccctgtt tgccttttat aaaccaaact ctatctgaaa 60
tcccaacaaa aaaaatttaa ctccatatgt gttcctcttg ttctaattct gtcaaccagt 120
gcaagtgacc gacaaaattc cagttattta tttccaaaat gtttggaac agtataattt 180

```

```

gacaaagaaa aatgatactt ctcttttttt gctgttccac caaatacaat tcaaagtctt 240
tttgttttat tttttttacca attccaattt caaatgtct caatggtgct ataataaata 300
aacttcaaca ctctttatga taacaaaaaa aaaaaaaaaa 340

```

```

<210> 424
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<400> 424
caaatctctt ttttttaggtt ttgtccatag catcagttga tccttactaa gtttttcatg 60
ggagacttcc ttcatcacat cttatgttga aatcactttc tgtagtcaaa gtataccaaa 120
accaatttat ctgaactaaa ttctaaagta tgggtatata aaccatatac atctgggttac 180
caaacataaa tgctgaacat tccatattat tatagttaat gtcttaatcc agcttgcaag 240
tgaatggaaa aaaaaataag cttcaaaacta ggtattctgg gaatgatgta atgctctgaa 300
tttagtatga tataaagaaa acttttttgt gctaaaaata ctttttaaaa tcaattttgt 360
tgattgtagt aatttctatt tgcactgtgc ctttcaactc cagaaacatt ctgaagatgt 420
acttggaatt aattaaaaag ttca 444

```

```

<210> 425
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<400> 425
ccagcgcgcg aggaccgcgcg aacagccgcg tctctcggtc cgccctggaa aatctctttct 60
tctcaggag tcagcttggc tcccttcttg cggcccaggg gcagcgcata gtgggactcg 120
taccactgtc ggtacggtgt gctgtcgatg agcacgatgc aattcttcac caggggtcttg 180
gtacgaacca gctcgttatt agatgcattg tagacaacat cgatgatcct tgttttacga 240
gtacaacact ctgagcccca ggagaaattc ccacgtcca acctcagggc acggtatttc 300
ttgttacctc cccgcacacg gactgtgtgg atgcggcggg ggccaatctt ggtgttgga 360
g 361

```

```

<210> 426
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<400> 426
gccaaacaat acccacttgt cagcctcaat gaagagagaa atgtcatgga agagggaaaa 60
gactttcagc cctcaagatc tacagctcaa caggaacttg atgggaaacc tgcttctcct 120
actccggtta ttgtggcctc ccacacagcc aacaaagaag aaaagagttt actcgaacta 180
gaagtagatt tggataattt ggaattagaa gatattgaca caacagatat caatctggat 240
gaagatattt tggatgattg actgtaatgc tttccattta cctgactaaa cagatcatta 300
ttatatatag gtattgattg ctaccctgac cacagtgtt tggactatga gaaacttctt 360
agatttttat atgtaaattg tgtggaccac tgggagcaca atgccacat catcttaaga 420
agagtttatg tgcagcattt 440

```

```

<210> 427
<211> 608
<212> DNA
<213> Homo sapiens

```

```

<400> 427

```

```

ccacaaaaca ccaaagaatt gtaggcagtg gcccctattg agaagttttc cggtagagtt 60
ggaaatcagt tgtgaataca ttctttgcta gttggagtgc ttgtttacta agcatgtgcc 120
gtcgtaggta ttagtgctag tctcaaatag gtgcttcccc tgaggtgcag gggaagacca 180
aagtttgcaa ctggaactgc tttcgtecat gtttctcaca ttgctgtatt ttagaaaata 240
ggggttaaga ctgataacaa ccttttacat tgtgactgtg tttgcattgt ctaatgacag 300
ataaatcctt aacattttct tccaccttag tacttttagac taattgtgtt tgtccgtcca 360
tgccatgaat gagtgggctg tagttgggcc taaataaatg agctgttgga agaaaagaat 420
cacagtactt tccagcagtc agtcacctgt tcttagatgt gttctaagca atgcaaatgt 480
ctaattgtcc cccagtgggc atagtcagtg tcgtttatat tgtagcagtt acagctctgt 540
agtttatgat gcaaactctg caagagagat gtatgtgtca ctgcatggct tctgaaagca 600
ggatgaat                                     608

```

<210> 428

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 298

<223> n = A,T,C or G

<400> 428

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gtttttctca ttttggattt ctccaaaact aactgaattt aagcttcagg tccctttgta 60
tgcagtagaa aggaattatt aaaaacacca ccaaagaaaa taaatatatc ctacttgaaa 120
tttactctat ggacttacct actgctagaa taaatgtatc aaatottatt tgtaaattct 180
caattttgat atatatatgt atatatgcat atacatatcc acacttgtct gcaagaatat 240
tgattaaaaa tgctaaattt gtacttgttc atcaaaaaaa aaaaaaaaaa aaaaaaanc 299

```

<210> 429

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 502, 551

<223> n = A,T,C or G

<400> 429

```

ctgcaccatg ccattctatg agataggaac ggtgggtggt gggaccaacc tactacctca 60
gcaagcctgt ttgcagatgc taggtgttca aggagcatgc aaagataatc ctggggaaaa 120
tgcccggcag cttgcccgaat ttgtgtgtgg gaccgtaatg gctggggaat tgtcacttat 180
ggcagcattg gcagcaggac atcttgtcaa aagtcacatg attcacaaca ggtcgaagat 240
caattttcaa gacctccaag gagcttgcac caagaagaca gcctgaatag cccgacagtt 300
ctgaactgga acatgggcat tgggttctaa aggactaaca taaaatctgt gaattaaaaa 360
agctcaatgc attgtcttgt ggaggatgaa tagatgtgat cactgagaca gccacttggt 420
ttttggctct ttcagagagg tctcaggttc tttccatgca gactcctcag atctgaacac 480
agtttagtgc tttacatgct gngttctttg aagagatttc aacaagaata ttgtatgtta 540
aagcatcaga natggtaatc tacagctcac ctct                                     574

```

<210> 430

<211> 181

<212> DNA

<213> Homo sapiens

<400> 430

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aaactagagg aaagctacga catggagagt gtcctacgca acctgggcat gactgatgcc 60
ttcgagctgg gcaaggcaga cttctctgga atgtcccaga cagacctgtc tctgtccaag 120
gtcgtgcaca agtcttttgt ggaggtcaat gaggaaggca cggagggtgc agccgccaca 180
g 181
```

<210> 431

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 527

<223> n = A,T,C or G

<400> 431

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ctgtcctggt tgccctcggt gcagctccga gctccagtta caaggaattc caagttctca 60
ggatcttgaa gactctggag gccagtaatc cctggatcac actgcttcta ccagctcaga 120
agagaagtec tgccaaaggt catgaaataa acctgactgc tgccaccaga ccgaacagag 180
gcaaagaaca ccttgctcatt gcgttcacac aagaatttta gtctttgagc ccttttgtgc 240
atgaacacac catccaagtg accagtttcc acagatcgga tctctatggc ctctctctcc 300
cagcccattg tctgattgga tcgaatatat gctactgatg taggcatctc tccccactgt 360
agaactacat ccttggtgat ccttccatat gtgtttacat aaacccctc atcttcatag 420
cacaccagaa gctccattcc atctgtattg gggaggatga tgattgcatg gggtttgatg 480
ctacactgga tatgtgttgg tagataaatg tcatagactg atcctgnatc cacatcaaca 540
gcatggaatc cagcacagga tccatagatc actttcaacc tctggccttc c 591
```

<210> 432

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 537

<223> n = A,T,C or G

<400> 432

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cctttctgag gcagcagcaa gcagctccaa acctccgaaa gcttatttat gggacagtga 60
cagaagataa tgaagaagaa gatgatgata ctctagaaga gcttggaggg ttgtttcgtg 120
tcaaccagcc tgacagagag tgtaagcaca aggcctgactc tttggactgc tccagatttc 180
ttgtggaggc ccccatgac tgggatttag aggaggttat gaacagtatc agagattgct 240
tcgtgactgg aaagtgggaa gatgataaag atgcagccaa ggtcttagca gaagatgagg 300
agctctacgg tgactttgaa gacttggaaa caggggacgt gcacaaggga aaatcaggcc 360
ccaatactca gaatgaagat atagagaaaag aagttaagga agaaattgac cctgacgaag 420
aagaaagtgc caagaaaaag cattttgata agaagagaaa attgaaggag atgtttgatg 480
cagaatatga tgaaggagaa agcacatatt ttgatgatct taaaggagaa atgcagnaac 540
aagcacag 548
```

<210> 433

<211> 492

<212> DNA
<213> Homo sapiens

<400> 433
caatgccagt aaacttaaat tacgtaactt cttgcaacca cgaaacctgt aatacgctgt 60
acagtaacaa gtgttgccat tatcagttga actgtaaata caaaatgctt cttccaatta 120
gtctctatga tgattaagtt tctaaaattt atctgaacac cattcagaaa cttgttttgg 180
ggaatttgat agttattgat gtgcatctgt taaactgatg acagacataa ctcatcattc 240
cccagaaacc ttttttgatt acagtatcta acattttgcc tcctcttttt tggttttgct 300
ggttataaag gtttgattg gagagggctc actggatccc aatccttgga gctggatcat 360
tggaattcaaa tcataatgtg gataggatag ggaggatgaa ttaccaggat tcatggagcg 420
ggatcagatt accaggaaca taggagtggg ttcttgcccc aaccaaaccg cattcgtgtg 480
gattttttta tt 492

<210> 434
<211> 493
<212> DNA
<213> Homo sapiens

<400> 434
ccatctgac tataaatgcg gtggcatcga caaaagaacc attgaaaaat ttgagaagga 60
ggctgctgag atgggaaagg gctccttcaa gtatgcctgg gtcttgata aactgaaagc 120
tgagcgtgaa cgtggtatca ccattgatat ctcttctgtg aaatttgaga ccagcaagta 180
ctatgtgact atcattgatg cccaggacac agagacttta tcaaaaacat gattacaggg 240
acatctcagg ctgactgtgc tgtcctgatt gttgctgctg gtgttggtga atttgaagct 300
ggtatctcca agaattggga gacccgagag catgcccttc tggcttacac actgggtgtg 360
aaacaactaa ttgtcgggtg taacaaaatg gattccactg agccacccta cagccagaag 420
agatatgagg aaattgttaa ggaagtcagc acttacatta agaaaattgg ctacaacccc 480
gacacagtag cat 493

<210> 435
<211> 476
<212> DNA
<213> Homo sapiens

<400> 435
ctgcagcctg ggactgaccg ggaggctctg attattttacc caccacaggt aggttgtgtt 60
ctgaatctca gggtcacagg ttaaggctac agcatcctca tcctccacgg ggttgagatt 120
gttgctggtg atgaagggtt tgggtggctc tgcatagact gtgatcgtcg tgactgtggt 180
cctattgagg ccagtgtctg agttatgggc ttggcaogta taggatccac tattattcac 240
agtgatgttg gggataaaga gctcttggtt ggattgctgg aaagtcccat tgacaaacca 300
agagtactgt gcaggtgggt tagaggctgc gtggcaggag aggttcagat tttccctga 360
tctgtaagat gtgttttagag gggaaatggt gggggcatcc gggccataga ggacattcag 420
gatgactgaa tcactgcgcc tggcactcac tgggttcttg gtttcacatt tgtagc 476

<210> 436
<211> 300
<212> DNA
<213> Homo sapiens

<400> 436
aaaacttaag gggaaagttg gagattgagc ataagggccc ttgagtaaga ctgtgtctta 60
tgcttttcctt tatccctptg tatacaggag acagaccaac tagaagatga gaagtctgct 120
ttgcagaccg agattgccaa cctgctgaag gagaaggaaa aactatagag ttcatccttg 180

cagctcaccg acctgcctgc aagatccctg atgacctggg cttcccagaa gagatgtctg 240
 tggcttccct tgatctgact gggggcctgc cagaggttgc cccccggag tctgaggagg 300

<210> 437
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 437
 ccaatgtggg tggctctcag cttgcagtta gccaggttcc ataccttgac cagcttgtcc 60
 cagccacagg agacgatgat agggttgctg ctgttgggag agaagcggac acaagacacc 120
 cactctgagt ggctctcctc ctggacagtg tatttgacac caccacagggt attccatagc 180
 ttgatggttt tatctcgaga tccagagaca atctgccggt tgtcagagga gaaggccaca 240
 ctcagcacat ccttggtatg gccacaaaat cgctcgtgg tggtgcccgt tgtgagatcc 300
 cagaggcgca gggttccatc ccaggagcct gagaggggcaa actgg 345

<210> 438
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 438
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
 cacatagtcc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcctc 120
 ttcaactaca cactgtatct gaagtttctt aattccgtat cccactggaa ctagtctaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgcat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta gcctctttgc 360
 ttcttcactt cctcctcctc atcagatcca aagagggtcaa tgtcatcctc atctttacta 420
 tctgtagctc cacttctctg agtgtcttcc acatcggcag gaccatattt gcccaaagct 480
 ttcttcactc ctggcaggct tgaaaaacat tt 512

<210> 439
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 439
 ccacagccca tgcgaaggcc cgcattgagca agactgtgga cctgcaggat gcagaggaag 60
 ctgtggagtt ggtccagtat gcttacttta agaagggtct ggagaaggag aagaaacgta 120
 agaagcgaag tgaggatgaa tcagagacag aagatgaaga ggagaaaagc caagaggacc 180
 aggagcagaa gaggaagaga aggaagactc gccagccaga tgccaaagat ggggattcat 240
 acgaccctta tgacttcagt gacacagagg aggaaatgcc tcaagtacac actccaaaga 300
 cggcagactc acaggagacc aaggaaatccc agaaagtgga gttgagtga tccaggttga 360
 aggcatcaca ggtggccctc ttgatgtgt tccgggaagc tcatgcccag tcaatcgga 420
 tgaatcgctt cacagaatcc atcaaccggg acagcgaaga gcccttctct tcagttgaga 480
 tcc 483

<210> 440
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 560
 <223> n = A,T,C or G

<400> 440
 ccgggcaggt ccagggtttta gatattaacc tggctgcaga gccaaaagtg aaccgaggaa 60
 aagcaggtgt gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg 120
 actttcaacg ggactattat gataggatgt acagttaccc agcacgtgta cctcctcctc 180
 ctctatttgc tcgggctgta gtgccctcga aacgtcagcg tgtatcagga aacacttcac 240
 gaaggggcaa aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa 300
 agttgaaaag agatgacctt caggccatta agaaggagct gaccagata aaacaaaaag 360
 tggattctct cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag 420
 agatgaagaa tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga 480
 ctaatgtgaa gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac 540
 tggatgatga tgataattgn agatcggggg ggatgaccag 580

<210> 441
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 480
 <223> n = A,T,C or G

<400> 441
 gtaaattaaa ttgtgtactg aagggaagaa tttgatcata ccaaacattt cctaaactct 60
 ctagttagat atctgacttg ggagtattaa aaattgggtc tatgacatat tgtccaaaag 120
 gaatgctgtt cttaaagcat tatttacagt aggaactggg gagtaaactt gttccctaca 180
 gtttgcctgc gagctggaag ctgtggggga aggagttagc aggtgggccc agtgaacttt 240
 tccagtaaat gaagcaagca ctgaataaaa acctcctgaa ctgggaacaa aaatctacag 300
 gcaagcaaga tgccacacac acaggccttat tttctgtgaa ggaaccaact gatctcccc 360
 acccttggat tagagttcct gctctacctt acccacagat aacacatgtt gtttctactt 420
 gtaaattgtaa agtctttacc tgcccgggag gccgccggg caggttggag gtggaggggn 480
 agatggtcag taggacagaa ggtaacattg atgactcgct cattgggtg 528

<210> 442
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 442
 cgatggagga ggaggaggtt gagacgttcg cctttcaggc agaaattgcc cagttgatgt 60
 cattgatcat caatactttc tactcgaaca aagagatctt tctgagagag ctcatittcaa 120
 attcatcaga tgcattggac aaaatccggg atgaaagctt gacagatccc agtaaattag 180
 actctgggaa agagctgcat attaacctta taccgaacaa acaagatcga actctcacta 240
 ttgtggatac tggaattgga atgaccaagg ctgacttgat caataacctt ggtactatcg 300
 ccaagtctgg gaccaaagcg ttcattggaag ctttgcaggc tgggtgcagat atctctatga 360
 ttgg 364

<210> 443
 <211> 589

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 541
<223> n = A,T,C or G

<400> 443
ctgcctttga agcacctcct cagtacgttt tgccaaccta tgaaatggcc gtgaaaatgc 60
ctgaaaaaga accaccacct ccttacttac ctgcctgaag aaattctgcc ttgacaata 120
aatcctatac cagctttttg tttgtttatg ttacagaatg ctgcaattca gggctcttca 180
aacttgtttg atataaaata tgttgtcttt tgtttaagca tttattttca aacactaagg 240
agctttttga catctgttaa acgtcttttt gtttttttgt taagtctttt acattttaat 300
agtttttgaa gacaatctag gttaagcaag agcaaagtgc cattgtttgc ctttaattgg 360
ggggtgggaa gggaaagagg gtacttgcca catagtcttc tttttaactg cactttcttt 420
atataatcgt ttgcattttg ttacttgcta ccttgagtac tttcaggaag actgacttaa 480
atattcgggg tgagtaagta gttgggtata agatctgaac ttttcatctg cagaggcaag 540
naaaaatatt tgacattgtg acttgactgt ggaagatgat ggttgcattg 589

<210> 444
<211> 510
<212> DNA
<213> Homo sapiens

<400> 444
cctcatctca gagctgggtg ccaggctgaa ggatcactga ggaaggggaa gtgggcaaag 60
cagaccctca aactgacaca agacctacag agaaaaccct ttgccaaatc tgctctcagc 120
aagtggacag tgataccgtt tacagcttaa cacctttgtg aatcccaagc cattttccta 180
accagcaga gactgttaat ggccccttac cctgggtgaa gcacttacc ttggaacaga 240
actctaaaaa gtatgcaaaa tcttccttgt acagggtggt gagccgcctg ccagtggagg 300
acagcaccac tcagcaccac ccacctcat tcagagcaca ccgtgagccc ccgtcggcca 360
ttctgtgggtg ttttaatat gcgatggttt atgggacgtt ttaagtgttg ttcttggtgt 420
tgttttcctt tgactttctg agtttttcac atgcattaac ttgcggtatt tttctgttaa 480
aatgttaacc gtccttcccc tagcaaat 510

<210> 445
<211> 326
<212> DNA
<213> Homo sapiens

<400> 445
gaagacatct ttgaagggtc tgagtttgtt agtttaacat catatatttg taatagtga 60
acctgtactc aaaatataag cagcttgaaa ctggcctttac caatcttgaa atttgaccac 120
aagtgtctta tatatgcaga tctaattgaa aatccagaac ttggactcca tcgttaaaat 180
tatttatgtg taacattcaa atgtgtgcat taaatatgct tccacagtaa aatctgaaaa 240
actgatttgt gattgaaagc tgccctttcta tttacttgag tcttgtagat acatactttt 300
ttatgagcta tgaaataaaa catttt 326

<210> 446
<211> 494
<212> DNA
<213> Homo sapiens

<400> 446

```

ccaaatggtg aaaccctatc tctactaaaa atataaatat tagccttgtg tgggggcgca 60
cacgtgtagt ctcagccact agggaggctg aggcaggaga atcacttgaa cccaggaggc 120
ggaggttgca gcgagccaag atcgtgccat tgcacttcag cttgggtgac agagcaagac 180
tctgtctcaa aaaaaaaca aagtcttatg acctctttgg catgtacttt agagaggaaa 240
tcttacccaa gccagaaagt ctcagtcctag gcattttttt tattgtgcaa gcatataaaa 300
ttctagtaat tctggggcta atcctgtgat agggagaatt caaggaaagg tgggtggtgac 360
ccagtgtctg cgttttctcc ttaggtgacg catccaaaga agacattgac actgctatga 420
aattaggagc cggttacccc atgggcccac ttgagcttct agattatgtc ggactggata 480
ctacgaagtt catc 494

```

<210> 447

<211> 322

<212> DNA

<213> Homo sapiens

<400> 447

```

ctgactaaga gccctctggc acaaattggaa gaagaaagaa gggagcatgt agctaaaatg 60
aagaagatgg agatggagat ggagcagggtg tttgagatga aggtcaaaga aaaagttcaa 120
aaactgaagg actctgaagc tgagctccag cggcgccatg agcaaattgaa aaagaatttg 180
gaagcacagc acaaagaatt ggaggaaaaa cgtcgtcagt tcgaggatga gaaagcaaac 240
tgggaagctc aacaacgtat tttagaacaa cagaactctt caagaacctt ggaaaagaac 300
aagaagaaag ggaagatctt tt 322

```

<210> 448

<211> 237

<212> DNA

<213> Homo sapiens

<400> 448

```

ctgcattggt gtggaattca caactactca gactgggaaa atacagattg gttcaaagaa 60
accaaaaacc agagtgtccc tcttagctgc tgcagagaga ctgccagcaa ttgtaatggc 120
agcctggccc acccttccga cctctatgct gaggggtgtg aggtcttagt tgtgaagaag 180
ctacaagaaa tcatgatgca tgtgatctgg gccgcactgg catttgcagc tattcag 237

```

<210> 449

<211> 339

<212> DNA

<213> Homo sapiens

<400> 449

```

aggacgacaa gaagaagaag gacgctggaa agtcggccaa gaaagacaaa ggcccagtgg 60
acaaatccgg gggcaaggcc aaaaagaaga agtgggccaa aggcaaagtt cgggacaagc 120
tcaataactt agtcttgttt gacaaagcta cctatgataa actctgtaag gaagttccca 180
actataaact tataaccca gggcaacagg gaggaccaga tcaacaggct tattagaaga 240
atgaactaag gtgtctacca tgattatctt tctaagctgg ttgggtaata aacagtacct 300
gctctcaaat tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa 339

```

<210> 450

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 501
 <223> n = A,T,C or G

<400> 450
 gtgagacaca ggtatgtatt tttgggtctc acagggttaag gtctgagcca ctgagggtcag 60
 gctctggttt gtatcccaag accgagaagc tgtgttaagc atggtgggta gagtttgtca 120
 ggtgacatct atgaaaccag gagcatgcaa agatagggtg accggaacag ccatgggtcaa 180
 accaattaaa ctgtcctgca gttgagggtc ggacacagga gaacggatct atcagggtgag 240
 gcccaaggag tccggattag gctcatctag aaagacctgg atgtggtaga tgacctctga 300
 ggatatgaag tgaaggcagg tggatagagc caggctctctc aggaggtctg aggagctggg 360
 atctggcaca gtgagcagggt ctggattttcc cagggtgggt caagacagat gggtaggcca 420
 ggcacagtgg ctcacacctc taatcccagc aattttggaa ggccaaggca ggcagatcag 480
 ttgaagtcaa gagctcgaga ncagcctgg 509

<210> 451
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 63, 166
 <223> n = A,T,C or G

<400> 451
 aaaaaaggaa ttctgtgtca agtataactc aaaataaata caaattcaca agtagaacta 60
 ttnaatactt catatgggggt aaacaccatt atctcccaac tagatcgcta gatctaccaa 120
 ctgcaagcga ttgtcccttt tgaacgtact aaaaccacac acttttccat cccctggggt 180
 cctggccctc tgagcactca attctcaatg gcacctggcc tgcatggca 229

<210> 452
 <211> 595
 <212> DNA
 <213> Homo sapiens

<400> 452
 aaagaacaaa ctcaacatat cagcagcaaa tttcagttaa actaaattgg aaaccaatgt 60
 tctgtgtaac caaagtgcaa agtcagttcc ccagctcaga aagaaaatta agagtataaa 120
 ctgaaggctt aagagaactt cagagagcac actgtgtgat taatacataa atattaaaaa 180
 ttatccaatt tttgatttaa gaacaacaca gtttggatct agtcattaaa acatatgcac 240
 aggtgtcaaa ggcaagtaac actaccacct aaggttattc ggaggaactg tgaagatgta 300
 gcacggacct ctaagggtgc taaaatccct tctgatggaa aggttatgga acactatctg 360
 ccaaaaacac tgaaagcacc acttttatat ttagatccaa tgctgagtga tatagtcact 420
 gttgggatag gtttttattt gggaaaatgg agaggattct caaaacagat tcatggcttg 480
 catgcagtga caccctatca agagcctgga aagacaccat gaaatcacct caactcaagt 540
 ggtgggcccc cctactcata gtcagtgtta cactagccag ctctagggct ctgac 595

<210> 453
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 453

```

aaaggccaag aaggcagtgt tgaaagggtgt ccacagccac aaaaagaaga agatccgcac 60
gtcaccaccc ttccggcggc cgaagacact ggcactccgg agacagccca aatatacctcg 120
gaagagcgct cccaggagaa acaagcttga ccactatgct atcatcaagt ttccgctgac 180
cactgagtct gccatgaaga agatagaaga caacaacaca cttgtgttca ttgtggatgt 240
taaagccaac aagcaccaga ttaaacaggc tgtgaagaag ctgtatgaca ttgatgtgg 299

```

```

<210> 454
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 414
<223> n = A,T,C or G

```

```

<400> 454
aaaaaggatt taggccactg cttttttctg agggaggagc ggccagcatg tgccccgcgg 60
ctcactgggc ctgtctaata acacagcagt ggcaaaagga gtatctgcca gacgcttct 120
atcactctat tctgtctcct catccacctg aagttcactc cgtttccca atgacttaga 180
atggctttgt gcttagtttt aattgtagtt tgtgctattc tgtgaattaa caattcaaac 240
aaaataagaa agccatgttg ttaaacagta gaggagccag ggactctgtc tccattctct 300
catcacacac aagtcattga tctacaaaa aaaaaaaaaa caaaaaaca caacaacaaa 360
aaaactgtcc tctgaggagg cacaggtgtg acagataagg aacctgcagc tcanattcaa 420
caggcacctg ccaagtcac actcaggact gtgacagcct caacaacatg aggtccagac 480
acattcactg tggaaggctc tgcccacgcg 510

```

```

<210> 455
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<400> 455
aaagtacttt taagaaaaaa agcagggcct tggaagtttt gggtcttttt tctctccctg 60
ttgcaaatcc tcatggtttg gggtgggtgg tggagagcgc gtgtcatctg cgggtggcac 120
tgcccacggt gggcgggcgg gcctctctac tcgaagggtga ccacgtttag attctgagac 180
gggaagtgga ggggtgaatag gtcacggcgg cctttttttt ttagtttaac ttttctttt 240
ttgtgtgtta gtcactcctg tcggctctct gcttcttggt atcgacatcg tcatcctcat 300
catcttcag 309

```

```

<210> 456
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 456
gtggttgtgt ggtcgtgtct cggaaccgg tagcgttgc agcatggctg accaactgac 60
tgaagagcag attgcagaat tcaaagaagc tttttcacta ttgacaaaag atggtgatgg 120
aactataaca acaaaggaat tgggaactgt aatgagatct cttgggcaga atcccacaga 180
agcagagtta caggacatga ttaatgaagt agatgctgat ggtaatggca caattgactt 240
ccctgaattt ctgacaatga tggcaagaaa aatgaaagac acagacagtg aagaagaaat 300
tagagaagca ttccgtgtgt ttgataagga tggcaatggc tatattagtg ctgcagaact 360
tcgccatgtg atgacaaacc ttggagagaa gttaacagat gaagaagttg atgaaatgat 420
cagggaagca gatattgatg gtgatgggtc agtaaactat gaagagtttg tacaatatg 480

```

gacag

485

<210> 457
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 457
 ccacagggac ctctgcagtg cccctaagt gacccggaca cttccgaggg ggatcatcacc 60
 gcctgtgtat ataacgtttc cgggtattact ctgctacacg tagcctttta cttttgggggt 120
 tttgtttttg ttctgaactt tcctgttacc ttttcagggc tgacgtcaca tgtagggtggc 180
 gtgtatgagt ggagacgggc ctgggtcttg gggactggag ggcaggggtc cttctgccct 240
 ggggtcccag ggtgctctgc ctgctcagcc aggcctctcc tgggagccac tcgcccagag 300
 actcagcttg g 311

<210> 458
 <211> 659
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 537, 573, 576, 637, 646
 <223> n = A,T,C or G

<400> 458
 aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
 ttagatctta ttcatacagc tgctgaacag ttcctttttc agagacatag ataccatcca 120
 aaaatttctt gatatacctt tttttaactg ttgtggcttg ctgaatcaaa gcoctgaat 180
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240
 ctgaacaagc aacacctggg ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300
 ttccgatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
 acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
 gactacaaat agtccgaacg gtagccagtt cttttctgtt accccaccat ttgtcaaccc 480
 ggagcctctt tttttctttt ccaagaaggc tgagttctac attgatgtga ttgaagnccc 540
 tccgcagggt tcctctgggg gcccttcacg atnacntgtg cgtcccttca gagtaatgtc 600
 gacattttct gggaatgtcg acagtctgat tgctganaat agtctncatt ctcgacctc 659

<210> 459
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 459
 cctccctggg aagtggaggg ggccaggcca cgaccaggca gaaatccacc aaaacaggag 60
 ggccaccgac atacaaacgc aggacacaga aacaacatgg gccccattcc aaaggatgac 120
 ctcaatgaaa gaccagcaaa atctacctgt gacagtgaga acttggcagt catcaacaag 180
 tcttcaggga gggttgacca agagaaatgc actgtacgga ggcaggatcc tcaagtagta 240
 tctcctttct cccgaggcaa acagaaccat gtgctaaaga atgtggaaac gcacacagggt 300
 tctctaattg aacaactaac aacagaaaaa tacgagtga tgggtgtgctg tgaattgggt 360
 cgtgtcacgg cccagtggtg gagttgtcag agctgttacc atgtgtttca tttgaactgc 420
 ataaagaaat gggcaagggtc tccagcatct caagcagatg g 461

<210> 460

<211> 584
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 530
 <223> n = A,T,C or G

<400> 460
 gccgttggtc ctgtgoggto acttagccaa gatgcctgag gaaacccaga cccaagacca 60
 accgatggag gaggaggagg ttgagacgtt cgcctttcag gcagaaattg cccagttgat 120
 gtcattgatc atcaataactt tctactcgaa caaagagatc tttctgagag agctcatttc 180
 aaattcatca gatgcattgg acaaaatccg gtatgaaagc ttgacagatc ccagtaaatt 240
 agactctggg aaagagctgc atattaacct tataccgaac aaacaagatc gaactctcac 300
 tattgtggat actggaattg gaatgaccaa ggctgacttg atcaataacc ttggtactat 360
 cgccaagtct gggaccaaag cgttcattga agctttgcag gctggtgcag atatctctat 420
 gattgggacc ccgcctgcct gtccctgtgcc caccacgcag cagtcagggg agaaaatggg 480
 ggctatccct tctgcttaga gaaagaaatg gcctttagct ggtttcatgn ttgtgttttg 540
 actggaggga gtagacccta tctataaggt gccccccatc atcc 584

<210> 461
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 421, 430, 455
 <223> n = A,T,C or G

<400> 461
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatggg gttgaagtgt 60
 tggggcgggc aaaatttttg gggggtggta tggagagaga atgggtgatg tttctcaggg 120
 ctgcttcaag tgggattggg gcggcgtggg aacataaagt gggagagatt aagctgaagg 180
 gaagtcttgt ggtaagggat gatattgtgg ggatgttaga agaaacattt gtcatataga 240
 atgattgggt atggcctgga tacagttttg gatgaactga gaagctaaat ggaagataca 300
 aggtctgaat aaaaggagga gaaaaatggg tattaaagga ctaagaattg ggaggacca 360
 ggacatccaa ttagagagtg cccaaggggg ttcagcgtaa ttacttgctt gggttgcaag 420
 nttttgggcn ctatccttga gtttttttat gttgncatag accaggccag a 471

<210> 462
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 462
 ctgctgcagc agcggcacta caagccaaat cagatgagaa ggcggcggtt gcaggcaaga 60
 agcctgtggg aggtgaagaa ggaaagaagg ctgctgttgg tgtaagaag cagaagaagc 120
 ctctgggtggg aaaaaaggca gcagctacca agaaaccagc ccctgaaaag aagcctgcag 180
 agaagaaacc tactacagag gagaagaagc ctgctgcata aactcttaaa tttgattatt 240
 ccataaagggt caaatcattt tggacagctt cttttgaata aagacctgat tatacaggca 300
 gtgaaaaaaaa aaaaa 315

<210> 463
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 463
 aaagagtggg ctgcaccccc cacacgccat ttacatcagc ttcataaaca cttttcttcc 60
 tccctgtaac ttaacctttt ttccctttta tgaagttgag aggctttatg aaataagttt 120
 gcattgcaca tccgtgcaga aatctttctg actttgaaat ttttaggacg tcag 174

<210> 464
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 464
 ccatcttcca caagtactcc ggcagggagg gtgacaagca caccctgagc aagaaggagc 60
 tgaaggagct gatccagaag gagctcacca ttggctcgaa gctgcaggat gctgaaattg 120
 caaggctgat ggaagacttg gaccggaaca aggaccagga ggtgaacttc caggagtatg 180
 tcaccttctt gggggccttg gctttgatct acaatgaagc cctcaagggc tgaaaataaa 240
 tagggaagat ggagacaccc tctgggggtc ctctctgagt caaatccagt ggtgggtaat 300
 tgtacaataa attttttttg gtcaaattt 329

<210> 465
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 167
 <223> n = A,T,C or G

<400> 465
 ttctggggta ggaagtgggc ccgggagatt ttggatggaa aagtcaggag gattgacagc 60
 agacttgtag aattacatag agaaattagg aacccccaaa ttcatgtca attgatctat 120
 tccccctctt tgtttcttgg ggcatttttc cttttttttt tttttgnttt tttttacccc 180
 tccttagctt tatgcgctca gaaaccaaatt taaaccccc ccccatgtaa caggggggca 240
 gtgacaaaag caagaacgca cgaagccagc ctggagacca ccacgtcctg ccccccgcca 300
 tttatcgccc tgattggatt ttgtttttca tctgtccctg ttgcttgggt tgagttgagg 360
 gtggagcctc ctggggggca ctgg 384

<210> 466
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 466
 ctgctttatt tggagaaata ccgacctaa atgcgattac gcttcagaga taccaatggg 60
 cattgctgtg ttcagtagaa ggaaatgtaa acgaaggctg acttgattgt gccatttaga 120
 gggaactctt ggtacctgga aatgtgaatc tggaatatta cctgtgtcat caaagtagtg 180
 atggattcag tactcctcaa ccactctcct aatgattgga acaaaagcaa acaaaaaaga 240
 aatctctcta taaaatgaat aaaatgttta agaaaagaga aagagaaaag gaattaattc 300
 agtgaaggat gattttgctc ctagttttgg agtttgaatt tctgccagga ttgaattatt 360

ttgaaatctc ctgtcttttt

380

<210> 467
<211> 250
<212> DNA
<213> Homo sapiens

<400> 467
cgcgactggg accagaagca gaggcctggg ccctcccgcg actacagcca ctactacacg 60
accatccagg acctgcggga caagattctt ggtgccacca ttgagaactc caggattgtc 120
ctgcagatcg acaacgcccg tctggctgca gatgacttcc gaaccaagtt tgagacggaa 180
caggetctgc gcatgagcgt ggaggccgac atcaacggcc tgcgcagggt gctggatgag 240
ctgaccctgg 250

<210> 468
<211> 274
<212> DNA
<213> Homo sapiens

<400> 468
aaatacagag agtcttagtt tggactgaaa gagaaaaatt gctctgatct ttctaaagct 60
tgaacattaa ggcttctttg caattttctt agagctcttt gatcgtaaata tatatctttc 120
catcgaagag aagcagattt cttctgagat ttctgaacag ttcttgggtg ttctcgggtc 180
tgcttcagtg taccatcact ttgccttgcc tcagtctctc cttcctccgg ggccacagaa 240
ggagaaagcc caaagcatac ccattctgcc cttt 274

<210> 469
<211> 168
<212> DNA
<213> Homo sapiens

<400> 469
ccagtccaca gttgtagcct gacttcagtg agttctgatg tgtgtctttt gcaaatacat 60
gttctcagaa cagtgaatc atccagcagt ggcttgatt gcactcacat aaaaatcatg 120
agacagccat ggctacttgt ttctgtaata catgcatgtg tggttttt 168

<210> 470
<211> 411
<212> DNA
<213> Homo sapiens

<400> 470
ctggctagtg gcttattact tgtgactgga cctctggctc tcaatcgagt tctctacga 60
agaacacacc agaaatttgt cattgccact tcaacaaaaa tcgatatcag caatgtaaaa 120
atccaaaaac atcttactga tgcttacttc aagaagaaga agctgoggaa gccagacac 180
caggaagggtg agatcttcga cacagaaaaa gagaaatatg agattacgga gcagcgcaag 240
attgatcaga aagctgtgga ctcaaaaatt ttacaaaaaa tcaaagctat tctcagctc 300
cagggctacc tgcgatctgt gtttgctctg acgaatggaa tttatcctca caaattgggtg 360
ttctaaatgt cttaagaacc taattaaata gctgactaca aaaaaaaaaa a 411

<210> 471
<211> 628
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 495, 569
 <223> n = A,T,C or G

<400> 471
 ctgaggagac tccggcgctc gccatggccg acgaaaagcc caaggaagga gtcaagactg 60
 agaacaacga tcatattaat ttgaagggtg cggggcagga tggttctgtg gtgcagttta 120
 agattaagag gcatacacca cttagtaaac taatgaaagc ctattgtgaa cgacagggat 180
 tgtcaatgag gcagatcaga ttccgatttg acgggcaacc aatcaatgaa acagacacac 240
 ctgcacagtt ggaaatggag gatgaagata caattgatgt gttccaacag cagacgggag 300
 gtgtctactg aaaagggaac ctgcttcttt actccagaac tctgttcttt aaagaccaag 360
 attacattct caattagaaa actgcaattt ggctccacca catcctgact actaccgtat 420
 agttttctct attctttcat ttcccccttc cccattcctt tattgtacat aaagtaactg 480
 gtatatgtgc acaangcata ttgcattttt tttttactaa acagccaatg gtatgttttg 540
 attgacatca agtggagacg ggatggggna aaatactgat tctgtgaaat accccctttt 600
 ctccattagt ggcattgctc ttcagctc 628

<210> 472
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 472
 aaatgagaat acgagaatac ccagaatttt attcccagcc tttgtgtgga aaaggcagtt 60
 tgcattctta ggaaacatct aactgttacc taaaccataa atatttctat ctactccatt 120
 caaccgaatt aaagaaaaca aaatgatgag aaaaatagga gccgaacaga aagaaaattc 180
 acatcatttt ctactattac gaacattcaa atggtgcttc aaattaaata cttttaatta 240
 tcattctagc caggatcata ctaagtagga tctcatgaca gtcacatatg cagcgacttc 300
 acctaaaccg tggcactgaa tgctctgccg tgagccgcaa gcagcacagt gatcatcacc 360
 cacaaggaca ggttgctggg atgag 385

<210> 473
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 473
 aaatatatta aatattttcac tgaaatacat gggtcaccat cctccccac cccacagtg 60
 gttacattat aaaaccaaag ccacggcct cccacctcct gactcctcta ccaactgggt 120
 gaggaaggga acaatggtag ccaggggaa gggcatggct ggcactgtgg tacggggatc 180
 caggggtgtg acaggccctc ccacctggca agaagcagag acaagccacc caaggctgag 240
 gtcttccac tctgatctac ttataccctc acccctaccc catggcacca agtagtctct 300
 tcctatccct tcctatccag ggatatggct ggggacaggg gagtagattt tctgtctgga 360
 aaacaagtct tttccctctc ttctgccatg actaatgaag tacctgatgg cccatttggt 420
 tgatgtatga agatgcccaa gggaggcatt acccagaaac cagg 464

<210> 474
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 474


```

ccgggcaggt gttcggacta tttgtagtca tgtacagaac atgatcaagg gtgttacact 60
gggcttccgt tacaagatga ggtctgtgta tgctcacttc cccatcaacg ttgttatcca 120
ggagaatggg tctcttggtg aaatccgaaa tttcttgggt gaaaaataca tccgcagggg 180
tcggatgaga ccagggtgtg cttgttcagt atctcaagcc cagaaagatg aattaatcct 240
tgaaggaaat gacattgagc ttgtttcaaa ttcagcggct ttgattcagc aagccacaac 300
agttaaaaac aaggatatca ggaaatTTTT ggatggatc tatgtctctg aaaaaggaac 360
tgttcagcag gctgatgaat aagatctaag agttacctgg ctacagaaag aagatgccag 420
atgacactta agacctactt gtgatattt 449

```

```

<210> 475
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 317, 383, 402
<223> n = A,T,C or G

```

```

<400> 475
ctgtcaccat tctcacgtga ttcttgtgag actctttttg gttataatta ctatttaata 60
tttagactat ttactgagc agactttata aatgagatat ctacaaggca cttaaagtgt 120
tacagatggt ttaccttaag aattatttaa gttgtgttgg gttaaagacag ttttcagtgt 180
accgtaaatg ttgtgttttc agaaaaagac aaaacgatgg tgcgactgg ttttctgtat 240
attgcacaac agccctcaaa tacctgatg tatgaaacta ttcatacatc aagcagcatt 300
tttttcactc tccttanaat tggaactatg cagttaaggc agataaaatg tacagatggt 360
tcatatatta cagggtacat atntaaatca aaatttccta tntaaaactg att 413

```

```

<210> 476
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 476
aaaaagtcac cctacttaga aatcttctgt gggggtggga gggacaaaag attacaaacc 60
aaaactcagg agatggtaac actggaattg ataaaatcac ctgggattag ttgtataact 120
ctgaaccacc aaacctctgc tatcaagcct tgctacagtc atggctgtoc agaaagattt 180
acagttatTT ttctgagaaa ggatccatgg gctttaagaa cttcagaact ttaagaactt 240
cagaagttct taagttgctg aagctcaagt aacgaagttg aatgcaatca aaaaaagaat 300
accagggagt caaggc 316

```

```

<210> 477
<211> 154
<212> DNA
<213> Homo sapiens

```

```

<400> 477
ctgctgcccc tgctggtgcc attgccccat gtgaagtcac tgtgccagcc cagaacactg 60
gtctcgggcc cgagaagacc tcctttttcc aggccttagg taccaccact aaaatctcca 120
ggggcaccat tgaaatcctg ggtgtccgca atgt 154

```

```

<210> 478
<211> 496
<212> DNA

```


<211> 520
 <212> DNA
 <213> Homo sapiens

<400> 485
 aaaagaagaa atcatgcaag aaaacaaagg gaacaaaaaa tctgccagcg ttatgatcag 60
 ctcatggagg catgggagaa aaaagtggac agaatagaaa ataatcctcg gaggaaagct 120
 aaagaaagca aaacaaggga atactatgaa aagcagtttc cagaaattcg aaaacaaaga 180
 gaacagcaag aaagatttca gcgagttggg cagaggggag ctggtctttc agccaccatt 240
 gctaggagtg agcatgagat ttctgaaatt attgatgggc tctctgagca ggagaataat 300
 gagaaacaaa tgcggcagct ctctgtgatt ccacctatga tgtttgatgc agaacaaaga 360
 cgagtcaagt tcattaacat gaatgggctt atggaggacc ctatgaaagt gtataaagat 420
 aggcagttta tgaatgtttg gactgaccat gaaaaggaga tctttaagga caagttttatc 480
 cagcatccaa aaaacttttg actaattgca tcatacttgg 520

<210> 486
 <211> 568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 433, 475
 <223> n = A,T,C or G

<400> 486
 ccttgctatg aagcagtgtg tgaatggaca atgttgaatg aatgtctggc tcagtgatgg 60
 agagccaggt tcatctttga aatctagggc tcttcaactca tgaagcagac tcctagtctc 120
 ggagtgactg tgtacgagag cgtggttgtg gtgctgtatg tgaacgcatg caagcttgat 180
 tcaccttcag ggggctgata acctagtaaa tcatcaaaat gagatcataa gtgttaaatgt 240
 aacttgagca tgaaaacaaa gactggttta gcagcagaca ttggtttact ctgcagcctg 300
 tgtttttctgt tttccccctt cccacctcct tccccccacc caatcctttt ttttttcttt 360
 tttgcttttc ttttcttttt tttagttttt atttacttta cctagtatgc ctttttttag 420
 ttgctttctca agncagaaaa cttttcagga aggtttccct gtgcatttgc accanatgaa 480
 tgtttgatgc tatgaaaagc tttccatata atcaaaaacta atttgtgtag atttttgcat 540
 gaaaaaaatc ataaatttcc ctcaaaat 568

<210> 487
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 487
 ctgcagcctg ggactgaccg ggaggctctg accattttacc caccacaggt aggttgtgtt 60
 ctgaacctca ggttcacagg tgaaggccac agcatccttg tcctccaagg ggttgagttt 120
 gttgctggag atggagggct tgggcagctc cgggtatata tggaaactgtc cggttgcttc 180
 ttcattcaca agatctgact ttatgacttg tagggtatag aatcctgtgt cattctgggt 240
 gacgtttctg atcagcaggg atgcattggg gtatattgtc tctcgaccac tgtatgcggg 300
 ccctggggta gcttgttgag ttcctattac atatcctaca attagactgt tgccatccac 360
 tctttgcgct ttgtaccag 379

<210> 488
 <211> 475
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 361

<223> n = A,T,C or G

<400> 488

```
ctgtcagggg cggcgtgcct ggtgatgcgg catcttacct tcatcccat ctcagaatgg 60
gcagccagtc tcagattcaa ggaggaggaa tcctgaggtg tggcggtcag tcctgaggta 120
gacctgaggt cccctggaaa ttgtgttgat gctgagatgg atgaggggtg ctcatctctt 180
caggtagaca gtgaggagtc ctgggttcagc cgagcctcca tgtctgcatg gatggttatg 240
accctgattg tttttggaaa cagccaagct ctctaggtgt actcagcaaa tgcaaggatg 300
agtgggtcct gcatacccag ggtattatct gagccatgga agcaaacag agactgctta 360
nctccctaa gagtagttgg tgggagaggg cagcaaccat ggaggcagga gcagctcctc 420
tttgctcttg agtagtcccc acatgttccc ccttcagag atttcaactg ccagg 475
```

<210> 489

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 324

<223> n = A,T,C or G

<400> 489

```
ctggcccttg aagtccaggt cgatgggtgaa gtccaggtcc cggttggtct tggcggtggg 60
ccgcatgccg atggtgccga agatctcttc gccgctcttc acggtcaggt agtcctccat 120
gtagaacacc gtctgcttcc agtgcggtga cggggactcg gggctgggtg agaagccggt 180
cctcttggtg cagcggtgtga actcgatgtt gaagtaggcc accagggcgt gcacgtagtc 240
attccgcttc acttgccaggc agaacgggga ggtgaaggtc aggtcttcca ccttgacggt 300
atagatgtcc acctccttta tgangcaggc gttggtgacc ag 342
```

<210> 490

<211> 428

<212> DNA

<213> Homo sapiens

<400> 490

```
ccatagctga agctgtgggg ccagttgata cctgctggca ggaaatggct gtttttttagg 60
tttgtattta tgtgccgcca cttttgtaag gcctgggaga tcccagggtc ctccaccctc 120
cccctgacca catacaaagg cactctagtt caagagtga aaatctcacc caggaggaac 180
agccctcctt gaagcaatgg cagggccagc agggaggtg gcatggcagg gaatggagag 240
agtgagccag acagacttca cctccttact ggacacaggg tcaagggcga gtttcaattg 300
ctgctccctt tactttctct acctgtgact actccctgga ccaatcctga ggagggcaca 360
ttttccagaa gccacgtgat aggggctggt ttctgtggag ccagaggcag agacactgaa 420
cttgagct 428
```

<210> 491

<211> 450

<212> DNA

<213> Homo sapiens


```

attacctaag ggttttatatc ctcaaatacg acatttctagt caaagtcttg gtaatataac 180
caatgttttc aaatgtattc tgttatacaa agagcagatt ttattgaac ttgtgcaata 240
actatattac catacaatat aaatattcat gaatagtctc ccaagtcttg agcgaccaca 300
tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatttta tcaaattgct 360
gtaagctgtg                                     370

```

```

<210> 495
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<400> 495
ctgatctggg tgaaggcggg gtggctgtaa attggctttg tccagtaagt acagggtatg 60
gggatagggg taaggatagc ctctctggaa tctgtgtca tttttcacat cataaatatt 120
gcattcatga agatcgatga tgggtgatat ggggtagaag gtctctagaa catgattctt 180
agtagcttca atctctctctc tggaggcgat ggtgggcaga ggatccttag tgcctagtcg 240
ggctccacca gaaccacgga cttgaaggag aagagactct cggttccagg tagcagaaaa 300
cgtggagttt tggacacaga tctctctggg cagagaagga tgcttgagaa tctgagattt 360
acacag                                     366

```

```

<210> 496
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<400> 496
ctgcggtggg aggctgcaga cctcacccgc accgatccag accactcctc ccaaggacac 60
ttgtagcccg gagctgctca tgtccttgat ccagacaaag tgtgccgacg acgccatgac 120
cctggtacta aagaaagagc ttgttgcgca tttgaagtgc accatcacgg gcctgacctt 180
ctgggacccc ag                                     192

```

```

<210> 497
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 497
cctaccgcaa ggtcacagca cagttttgta tagaatgttg cagaaaacag gatggagaag 60
ccactactgc tgctatgaag gagtgcgagg ggcgggcgcg ggggtccac agaacctgct 120
ttccaaacgc tgctgctgaa cactggcctt gaaatgaaca ccaggacaat ctgtgtgtga 180
tgggaatgag ccacctcaga tgtggagggc cctgaagaat ccatatagga gggcaggctc 240
t                                     241

```

```

<210> 498
<211> 194
<212> DNA
<213> Homo sapiens

```

```

<400> 498
ctgtccctcc actacagaaa cctcacagaa cacagcaaag gataagtgca agaaggctgc 60
ttccagctcc aaagcaccta agaatggagg taaagcgaag gattcagcaa agacaacaga 120
ggaaacttcc aagccaaaag atgactaaag aaatacaagt taaggatatc ggtatctgca 180
tgtaaaatct tcag                                     194

```



```

gctccatcaa tgacggtgat gtcgaggggc cccagggcta cctccacct cgagttacct 300
ttgatcacia ctaggggcatc tttctggctg agttaagggtg agaacagtc cctgaagcct 360
cccccaaata agtgaaaagt gctctactgt ggggtctgga aagaagaaag caaaaagcag 420
cctattcacg ttcacagtcg aaaaatgtaa gctaaattgt aaacctgctc aaagaaantc 480
tagaaagg                                         488

```

```

<210> 502
<211> 589
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 422, 537, 547, 558, 568, 575
<223> n = A,T,C or G

```

```

<400> 502
aaatcaacat taaccaaagt acctgcaagt aacactgctt actcttgctg tttgcctcat 60
ctgactggaa accttagccc ccaaatatga aatgccttct ctagattaaa aggattcaga 120
gatgttacac tattgcaacta tatttctgct tcccgatctc gtttctgagt cctagtgaaa 180
tcgtaaacaa gagatgaaat aaacgtcgtc ccattttaat accgtcttta gtatcataca 240
catgtgttca gtagtgagcc acccaaagcc tcttgccaca ggagcagtag tcgaagcaca 300
gaggggaccc cgctctgctg cctccccatg cagtccagtg atgagggtgga tggagtctct 360
cccacagtca caccccaagc ttctcttctt ggtggaaata ggcatcaaac cttgcttggg 420
ontagtccag cttccaaccc aaagtcgggc actacaggct ggagaatgaa gtggtaaccg 480
ataaataaaa ccttccacag cacaggcagg agccaccac tcttcttcac ttactgnccc 540
gtgtcanaag ggactgangt cagagctnga cttcnagggt gcagatgcc          589

```

```

<210> 503
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 35, 36, 38, 71, 125, 143, 189
<223> n = A,T,C or G

```

```

<400> 503
gctttttttt tttttttttt tttttttttt ttaanncnca gggtttatth gcaaaactgg 60
gctgggttga ncaaaggggg ctttgggatg ctgaccctc tctgacctg ccgttgcgac 120
ctcanccctg agttaccctg cancaggcat ggacaggcgg ccgccttgcc tgtcgcaact 180
tcttggcanc aa                                         192

```

```

<210> 504
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 427
<223> n = A,T,C or G

```


<210> 508
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 508
 agtaagtcaa cagcttattt taggaaactg taaaagtaat agggaaagag atttcactat 60
 ttgcttcac cagtggtaggg gggcggtagc tgcaactgtg ttagcagaaa ttcacagaga 120
 atgggggattt aagggttagca gagaaacttg gaaagttctg tgtaggagc ttgctggcag 180
 aattaacttt ttgcaaaagt tttatacaca gatatttgta tttaaatttg agtcatagtc 240
 agaagactca gatcataatt ggcttatttt tctatttccg taactattgt aatttccact 300
 tttgtaataa ttttgattt 319

<210> 509
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 509
 ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
 cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
 agattgatcg ccgttctggg aaaaagctgg aagatggccc taaattcttg aagtctgggtg 180
 atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
 atccaccttt gggctcgctt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
 tcaaagcagt ggacaagaag gctgctggag ctggcaaggc caccaagtct gccagaaaag 360
 ctgagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
 gaagaacggg ctgagaactg tttgtttcaa ttgg 454

<210> 510
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 70, 95, 146, 154, 164, 167, 226, 279, 317, 320, 322
 <223> n = A,T,C or G

<400> 510
 agcttttttt tttttttttt tttttttttt ttttttngca ttgcaaaaat ttattaaaaat 60
 tggagaccn tgttttaatc ttcttggtgc atganactcc atcaggcagt ctacaaagac 120
 cactgggagg ctgaagatca cttganccca aaantttgag gctntantaa gcttcaaagg 180
 ccactgcacc ctaacttggg tgaggcaaga ccctttcaag cataanctgc atgcttgctt 240
 gttgggggca ttaaaaaccc tgaaagcgaa gcccacatnt taatcagggc aaaatacaaa 300
 tgtgtgatgc ttgttantan antaa 325

<210> 511
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 511
 cctctggttg caggactcgt gaatggagca gttctgagaa ccaccctttt gctaagggag 60
 cttgggagcc acatggctgc tcccttcaca ctgggtaaca gtgtagtata ctgtgagaga 120

ataaatgtat tcattt

136

<210> 512

<211> 474

<212> DNA

<213> Homo sapiens

<400> 512

```
cagccgggga ggctcccctc agatggatga catcaaagtg ttccagaatg aagtttttagg 60
aacactacag cggggcaaag aggagaacat ttcttgtgac aatctcgtec tggaaatcaa 120
ctctctcaag taagagcagc cctccctgt tctcctcggg gtgatcccgg gaaggtagag 180
gctttctcgt aagtgttttg tctccaaata ggaacctatt ccttcgacat cccaaatgga 240
aagaccagta gtatttggag caggagagc attattaagt tctagcctca gcatagactt 300
tctccttcct aaaccctccc ctcccatatt gttccatcca gattcctctc caatgtctat 360
caaagtcata gttctaagcc tgctgaaagg ccagtgaagg ccctgggtgc accccagtct 420
ccccacaggt atgcctataa cgtaagtcta aaggagggtga tgcagggtact gagg 474
```

<210> 513

<211> 315

<212> DNA

<213> Homo sapiens

<400> 513

```
ccacacaggc tatctgaaca cggtgactgt ctctccagat ggatccctct gtgctttctgg 60
aggcaaggat ggccaggcca tggtatggga tctcaacgaa ggcaaacacc ttacacgct 120
agatgggtggg gacatcatca acgacctgtg ctccagccct aaccgctact ggctgtgtgc 180
tgccacaggc cccagcatca agatctggga tttagaggga aagatcattg tagatgaact 240
gaagcaagaa gttatcagta ccagcagcaa ggcagaacca cccagtgca cctccctggc 300
ctggtctgct gatgg 315
```

<210> 514

<211> 385

<212> DNA

<213> Homo sapiens

<400> 514

```
aaaaatatatt acgtcttaca ggagctggat aatccagggtg caaaacgaat tctagagctt 60
gaccagttta aggggcagca gggacaaaaa cgtttccaag acatgatggg ccacggatct 120
gactactcac tcagtgaagt gctgtgggtc tgtgccaaac tcttttagtga tgtccaattc 180
aagatgagtc ataagaggat catgctgttc accaatgaag acaaccccca tggcaatgac 240
agtgccaaag ccagccgggc caggaccaa gccggtgatc tccgagatac aggcattctc 300
cttgacttga tgcacctgaa gaaacctggg ggctttgaca tatccttggt ctacagagat 360
atcatcagca tagcagagga tgagg 385
```

<210> 515

<211> 216

<212> DNA

<213> Homo sapiens

<400> 515

```
aaatttcatt tactttgttt tactgtaatt tacacaagag actgacaagt aaactaggta 60
ttttacattc accacacatt cctcaaactc tccacagttg ttagaaaaac attaaaatcc 120
atgcgcgggg ctctcatttc catgtgcgcc taagctccca atgatactac agatgccagc 180
gagagttaag ttcattaaaa ggagagggct agactc 216
```

<210> 516
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 516
 cctctgttgc cagaccagag ctggaggtaa atgctgccat agtctctgga caaagcagtg 60
 agcccaaaga gatagttgaa aagtccaaaa tcccaggccg aagaaactcc cgaactgaag 120
 agccaactgt ggcctctgaa agtgtggaaa atggacatcg taaacgatct tctcgacctg 180
 cttcagcctc cagctctact aaagacataa ccagtgcggt gcaatccaag cgaagaaaat 240
 ccaagtaaac aagcaggact gcgacttgat acttggaat gtgtgtgact ttacaaaaga 300
 gcaattttga gctgtgactt tttt 324

<210> 517
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 517
 ctgacccgc ctgagggtc ctcaaagtct gagcaagacc aggcagaaaa tgagggcgag 60
 gactcggtctg tgttgatgga gagactgtgc aagtacatct acgccaagga ccgcacagac 120
 cggatccgca catgtgccat cctctgccac atctaccacc atgctctgca ctgcgcgtgg 180
 taccaggccc gcgacctcat gctcatgagc cacttgccagg acaacattca gcatgcaggc 240
 ccgccagtgc agatctttta caaccgcacc atggtgcag 279

<210> 518
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 518
 aaaaagtagt tagcatttaa tgaaactccc tccatgtggc ttcaagccac caggacacag 60
 gcccccccaa cactcttaat ctctctctca gctcttctgc tgaagaattt ggccttcacg 120
 atgacaggct gctttgggag ctttcccttt ccagaaactt tgtagtagcc cgatgcaccc 180
 acatcaatga tgggagcagc ccccgctctg tttttagcag cattcacccg tgtctgttca 240
 ctgaccaaag tccacaattt gtcaagggtg acagttgggc agaagctctg gttcctcttt 300
 aagtggtaat gcttcatacc aactttccca aagtagcctg ggtggtattt gtogaagttg 360
 atccggtggt gatgcagacc accagcatta 390

<210> 519
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 519
 ctggtgaatg acggtgccat gactgagggt gtcgaaagg agtattttaag gggaaatcag 60
 gcattccgtt ttgaccaaata taagctggag atgcctgtgg aacattccag ccaggctgca 120
 tcacgtcaca ctgacctca gcattgccca cagtcacatc tccccagga cctgaggatt 180
 ttgctgcccg ctccctctc gccaggacc cccaagctcc cagcacgctt ctgatttttt 240
 tttgtagggt tttttttttg tttttgttt tgtttgttt tgtttttgag agggagtctc 300
 actttgtgcc ctgactgga gtgcaatggc gccatctcgg ctactgcaa cctccacctc 360
 ccagggtcaa gcgattcccc tgctcagct tcccagtag ctgggattac agatgtgagc 420
 caccgtaccc agctaatttt tgtattttta gtagagacgg ggtttcacca tattgg 476

<210> 520
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 520
 ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
 cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
 agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
 atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
 atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
 tcaaagcagt ggacaagaag gctgctggag ctggcaaggt caccaagtct gccagaaaag 360
 ctcaagaagg taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
 gaagaacggt ctcaagaactg tttgtttcaa ttgg 454

<210> 521
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 521
 ggectcttac ctggacagag tgaggagcct ggagaccgag aaccggaggc tggagagcaa 60
 aatccgggag cacttgagga agaagggacc ccaggtcaga gactggagcc attacttcaa 120
 gatcatcgag gacctgaggg ctccagatctt cgcaaatact gtggacaatg cccgcacgt 180
 tctgcagatt gacaatgcc gtcttgctgc tgatgacttt agagtcaagt atgagacaga 240
 gccggccatg cgccagtctg tggagaacga catccatggg ctccgcaagg tcattgatga 300
 caccaatatc acacgactgc ag 322

<210> 522
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 522
 aaagcaacag aacctcgctg tcagtgaag tctgtgcaca ccctctgcac tcgctgagct 60
 tcttgacctg ctggacagca gaacaatttc ttcacagca gctaaacagg tgtttgagga 120
 actgtggaag agggaaggca agactccagg gcagattggt tcagaaaagc agcttgaact 180
 gatgcaggac cagggggcac tggagcagct ctaccactct gtgatggagg cccatcccca 240
 agtggtaatg gatgtgaaga acagaaaccc cagagctata aataaactga ttgggttggt 300
 ccggaaagcg actcaaagcc gagcagatcc agtcatgata aaggagatcc tggagaagaa 360
 gctgtcattg tgagatggt 379

<210> 523
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 320, 365
 <223> n = A,T,C or G

<400> 523


```

aaaatggcat ccatgacctg gataacattt ccttccccaac acagggctcc taacatcatg 240
tcctccctcc cacttgccan ggaacntttt ttgatgggct cctttatttt tttctactct 300
tttcaggcgc actcttgata aatgggtaat tcagaataaa ggngactatg gatataattg 360
agccctct 368

```

```

<210> 527
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 45, 68, 76, 88, 95, 187, 235, 240, 242, 246, 269, 274, 340,
363, 377, 379, 382, 394, 405, 409
<223> n = A,T,C or G

```

```

<400> 527
gtacaagctt tttttttttt tttttttttt ttttttttca ggctngtttt attttaatgg 60
ctgatctntg taatcncaga ggccagntng tacanacaaa gtgggaggtt ttatttcttg 120
gtctcttcct ccttgataaa agtcttgatg atctcctcct tcttggcctg gaggcgctct 180
tcacggngct tgcgtgcttc cttggtctta aacctgcggg cctcaacctg gtcancagn 240
ancttnttgc gggccttgct tgccttcanc ttgnggatgt gttccatgaa aatccgcttg 300
tttttgaaca cattccctt cacttcagg tacaggctgn gatacatgtg gogategate 360
ttnttaaatt cacggtntnt tntgagcagc cgnggcaaaa tctnattnt cctcatcc 418

```

```

<210> 528
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 385
<223> n = A,T,C or G

```

```

<400> 528
ccatttttcc tgaatgacat caattatgtc atctgtaaaa tctccctgaa tgataatttc 60
atcctccctt gttactgagg caccacagga gaatttttga gcaaaaaatc tttgtgcttc 120
tttaagatca atttcaaaag ttgcaaggcc acatactctt gtcacatatt tcttctttgc 180
tctgggaatt ttggctatag taaccttttg tggtacggct tctttttttt gttttatttg 240
acctttcca cctctcttct gttttttctt ctctctctct tccctgctg ttccttgacc 300
ctcactaatt ccagcttctt gtttggtga atttctaca gtaagttttg caaattcatt 360
tggaataatt ttcttaacc attgnctaca tttagcaaca tcaggcatat attcacagta 420
ctctgttggg aatgaacaga ctccacaata aaggactcga agtgggtaat cggcatc 477

```

```

<210> 529
<211> 217
<212> DNA
<213> Homo sapiens

```

```

<400> 529
agaaattgag atgcccccca ggccagcaaa tgttcctttt tgttcaaagt ctatttttat 60
tccttgatat tttctttct tttttttttt ttttttggat ggggacttgt gaatttttct 120
aaaggtgcta ttaacatgg gaggagagcg tgtgcggctc cagccagcc cgctgctcac 180

```


tttccaccct ctctccacct gcctctggct tctcagg 217

<210> 530
<211> 479
<212> DNA
<213> Homo sapiens

<400> 530
aaaactgata ataatgctga attatcttaa gtgagatggt aagcccactt tgttctttta 60
atgtaatgga gcttatgggt agaagaccat gtctactaat tacaaaaaaa aaaaaaaac 120
catgcattac tgcttttcct accacttcca gtaagaaaat ggggtgttttg aagaaatcat 180
ttgccttgtc ctcacggaat ctgattaagc cctggcctct tgattgtata gagtcattgt 240
gtatatcca gttacctaga tattcccttg agattttgat acaatttgag ggaggcagaa 300
gtctgcagtt gaagaaaaaa aataagtcgt tttgtcatat ttaagtagcc tgtggctatt 360
tttatactga ttttgatatc atgttctttt catagtcgta ttttgccacc gtaaacataa 420
aaaaaaaaaa aagatttcca aaatgccggt ttcagaacct gggttttaat agcagtatt 479

<210> 531
<211> 344
<212> DNA
<213> Homo sapiens

<400> 531
ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60
tatgagtgtg gaatccagaa cgaattaagt gttgaccaca ggcacccagt catcctgaat 120
gtcctctatg gccagacga cccaccatt tccccctcat acacctatta ccgtccaggg 180
gtgaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggtg 240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
aacagcggac tctataacctg ccaggccaat aactcagcca gtgg 344

<210> 532
<211> 229
<212> DNA
<213> Homo sapiens

<400> 532
ctgatattag tagctttgca accctgatag agtaaataaa ttttatgggt gggtgccaaa 60
tactgctgtg aatctatttg tatagtatcc atgaatgaat ttatggaaat agatatttgt 120
gcagctcaat ttatgcagag attaaatgac atcataatac tggatgaaaa cttgcataga 180
attctgatta aatagtgggt ctgtttcaca tgtgcagttt gaagtattt 229

<210> 533
<211> 516
<212> DNA
<213> Homo sapiens

<400> 533
ctaccctgcc actggcccct atggcgcccc tgctgggcca ctgattgtgc cttataacct 60
gcctttgcct gggggagtgg tgccctcgcat gctgataaca attctgggca cgggtgaagcc 120
caatgcaaac agaattgctt tagatttcca aagagggaat gatgttgctt tccactttta 180
cccacgcttc aatgagaaca acaggagagt cattgtttgc aatacaaagc tggataataa 240
ctggggaagg gaagaaagac agtcggtttt ccattttgaa agtgggaaac cattcaaaat 300
acatgtactg gttgaacctg accacttcaa ggttgacagt aatgatgctc acttggttgca 360
gtacaatcat cgggttaaaa aactcaatga aatcagcaaa ctgggaattt ctggtgacat 420

```

agacctcacc agtgcttcat ataccatgat ataactctgaa aggggcagat taaaaaaaaa 480
aaagaatcta aaccttacat gtgtaaaggt ttcatg                               516

```

```

<210> 534
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<400> 534
ctggtggctt ccctgcatgt cagggctctt cgacagatca tgggccactt cgaggggctc 60
gggaaggggt acgctgtgtc cgtcgagcac cgggatgccc accaccggcg cccggtgcat 120
cag                                                                123

```

```

<210> 535
<211> 503
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 390
<223> n = A,T,C or G

```

```

<400> 535
ccagttttat ccgagactct aaataagcac cgagctgata atcggattgt agagcgttgt 60
tgcaggtgcc tgcgctttgc tggtcgtgt gtaggcaaag gatctgcagc actgctgcag 120
ccactagtca cacagatggt gaatgtgtac cacgtacatc agcattcctg ctccctgtac 180
cttggcagta tccttggtga tgaatatggc atggaagaag gctgtcggca gggactgcta 240
gacatgctcc aggcactgtg catccccacc ttccagctcc tagaacagca gaatggctct 300
cagaatcacc ctgacactgt agatgacctg ttccggctag ccaccagggt tattcagcgt 360
agccctgtca ccttgctgcg gagccaagtn gtcaccccta tcttacagtg ggccattgoc 420
tctactaccc tggaccaccg ggatgccaat tgtagtgtca tgaggtttct acgagacctc 480
attcatacag gggtagccaa tga                                                                503

```

```

<210> 536
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 337
<223> n = A,T,C or G

```

```

<400> 536
ggctactggg ggaacaagat cggcaagccc cacactgtcc cttgcaaggt gacaggccgc 60
tgaggctctg tgctggtacg cctcatccct gcaccagggt gcaactggcat cgtctccgca 120
cctgtgccta agaagctgct catgatggct ggtatcgatg actgctacac ctacagcccg 180
ggctgcactg ccaccctggg caacttcgcc aaggccacct ttgatgccat ttctaagacc 240
tacagctacc tgacccccga cctctggaag gagactgtat tcaccaagtc tccctatcag 300
gagttcactg accacctcgt caagaccac accagantct ccgtgcagcg gactcaggct 360
ccag                                                                364

```

```

<210> 537

```

<211> 273
 <212> DNA
 <213> Homo sapiens

<400> 537
 ctgggcctga agctgtaggg taaatcagag gcaggcttct gagtgatgag agtcctgaga 60
 caataggcca cataaacttg gctggatgga acctcacaat aagggtggta cctcttggtt 120
 gtttaggggg atgccaagga taaggccagc tcagttatat gaagagaagc agaacaaaca 180
 agtctttcag agaaatggat gcaatcagag tgggatcccg gtcacatcaa ggtcacactc 240
 caccttcattg tgcctgaatg gttgccaggt cag 273

<210> 538
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 538
 cctcctgcac tccgcccga ccccgggccc cgccgtggct atccagtcag ttcgctgcta 60
 ttcccatggg tcacaggaga cagatgagga gtttgatgct cgctgggtaa catacttcaa 120
 caagccagat atagatgcct gggaattgct taaagggata aacacacttg ttacctatga 180
 tatggttcca gagcccaaaa tcattgatgc tgctttgcgg gcatgcagac gggttaaata 240
 ttttgctagt acagttcgta tcctanaggt tgtaaggac aaagcaggac ctcataagga 300
 aatctacccc tatgtcatcc aggaacttag accaacttt 339

<210> 539
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 539
 caaagtggta cagaccaagt atgtggaagc caaggactgt ctgaacgtgc tgaacaagag 60
 caacgagggg aaagaattac tcgtccact gacgagttct atgtatgtcc ctgggaagct 120
 gcatgatgtg gaacacgtgc tcacgatgt ggggaactggg tactatgtag agaagacag 179

<210> 540
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 229, 284
 <223> n = A,T,C or G

<400> 540
 ccacttggcc caggtagaag tagatgaagt gtttggtttc atgtgtcaca taactaccga 60
 agttcctccc cagatgcaa tgccagggtg gattgtactt cttgtcaaat tcttcttga 120
 tatgagccgc aatgtccttc tctatgttgt atttctccag cgctgagta ggcactcca 180
 ccgagtcctg ttgcatctct tccgacatgt ccgcattttt gatcacggnc tttcggtcgc 240

acttggttac cgtggagaag gggctggccg actgcaacgg tctnctgggg gaggtgctag 300
cacagctcaa gcccggtag agctaccgtc gctaccgaaa ca 342

<210> 541
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 332, 334
<223> n = A,T,C or G

<400> 541
caacagaata aatactttta tagtagtttt ataatcctga aattcgaaag ctttcccaat 60
tgcacttgca tctaaacaaa actgttgca tttttactct atttattttg ttcccatgt 120
ttatgaaagt cctgcacagt ttcaaaggca tggtaaataa tatatcaatg tttatgtagt 180
ctgttacaga aacagctata gataacatta tccagtgaag agcaaaattc aagctttaga 240
aaatattcat gcatgcaatt ttgacatatt taaaaatagg tttttgtata tttatggtgg 300
gaggtgggtg ggaactttta acaaaatggg gngntaattt ttgtacagtc tgtgggcatt 360
tacacatttt taatgtatta aaatttggtg attatgtgta cattaaatta ataaaagtta 420
ct 422

<210> 542
<211> 262
<212> DNA
<213> Homo sapiens

<400> 542
ctgacaacga aggccgcgcc tgcctttccc atctgtctat ctatctggct ggcaggggaag 60
gaaagaactt gcatgttggt gaaggaagaa gtgggggtgga agaagtgggg tgggacgaca 120
gtgaaatcta gagtaaaacc aagctggccc aaggtgtcct gcaggctgta atgcagttta 180
atcagagtgc cttttttttt tttgttcaaa tgattttaat tattggaatg cacaattttt 240
ttaatatgca aataaaaagt tt 262

<210> 543
<211> 238
<212> DNA
<213> Homo sapiens

<400> 543
ctggagacac tttagaactc tttccccatc ctccaccata gtgcaaactt cacgctttctc 60
tgagcacctc caaggtatgc cttgaagtg aaacagaaaa gggaagaaag ggggcttttt 120
cttttccatt tctgacaaa cagaggtctg aaatagcagt gtattatgaa attctcattc 180
cctgcaacag tcagccacca cttggaaaat ggctattttt gccataaact agattttt 238

<210> 544
<211> 346
<212> DNA
<213> Homo sapiens

<400> 544
ccaccctgaa aatcaggaac tccaacttct acacggtggc agtgaccagc ctgtocagcc 60
agatttcagta catgaacaca gtggtgaatt ttaccgggaa ggccgagatg ggaggaccgt 120

```

tttcctatgt gtacttcttc tgcacggtac ctgagatcct ggtgcacaac atagtgatct 180
tcatgcgaac ttcagtgaag atttcataca ttggcctcat gacccagagc tccttggaga 240
cacatcacta tgtggattgt ggaggaaatt ccacagctat ttaacaactg ctattgggttc 300
ttccacacag cgctgtaga agagagcaca gcatatgttc ccaagg 346

```

```

<210> 545
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 545
ctgctactga gtaaggggca ttctgtttac agaccaagga gaactggaga aagaaagaga 60
aaatcagttc gtggttgcat tgtggatgca aatctgagcg ttctcaactt ggttattgta 120
aaaaaaggag agaaggatat tcctggactg actgatacta cagtgcctcg ccgctgggc 180
cccaaaagag ctacgagaat ccgcaaactt ttcaatctct cttaaagaaga tgatgtccgc 240
cagtatgttg taagaaagcc cttaaataaa gaaggttaaga aacctaggac caaagcacc 300
aagattcagc gtcttgttac tccacgtgtc ctgcagcaca aacggcggcg tattgctctg 360
aagaagcagc gtaccaagaa aaataaagaa gaggctgcag aatatgctaa acttttgg 418

```

```

<210> 546
<211> 492
<212> DNA
<213> Homo sapiens

```

```

<400> 546
cgaattcttc aggatgatgt tgcattgtac atcattaaaa taggttcttt agtaaggaat 60
aaagagagat ttgtaaaacg aagacaacgg cttattggtc ccaaaggatc tacattgaag 120
gcattggaac tcttaactaa ttgttacatt atggttcagg gaaacacagt ttcagccatt 180
ggacctttta gtggcttaaa agagggttaga aaagtagtcc ttgatactat gaagaatatt 240
catccaattt ataacattaa aagcttaatg attaagagag agttggcaaa agattctgaa 300
ttaagatcac aaagttggga gagatttttg ccacagttca aacacaaaaa tgtgaataaa 360
cgcaaggaa ccaagaaaaa aactgttaag aaagaatata cgccattccc accaccacaa 420
ccagaaagtc agatcgataa agaattggct agtgggtgaat actttttgaa ggcaaatacag 480
aagaagcggc ag 492

```

```

<210> 547
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 515
<223> n = A,T,C or G

```

```

<400> 547
aaaagaaaa gatatacttg ttttgccct tgacctgacc gacctgggtt cccatgaagc 60
ggctacaaaa gctgttctcc aggagtttgg tagaatcgac attctgttca acaatggtgg 120
aatgtccag cgttctctgt gcatggatac cagcttggat gtctacagaa agctaataga 180
gcttaactac ttagggacgg tgtccttgac aaaatgtgtt ctgcctcaca tgatcgagag 240
gaagcaagga aagattgtta ctgtgaatag catcctgggt atcatatctg tacctctttc 300
cattggatac tgtgctagca agcatgctct ccggggtttt ttaaatggcc ttcgaaacaga 360
acttgccaca taccaggtta taatagtttc taacatttgc ccaggacctg tgcaatcaaa 420
tattgtggag aattccctag ctggagaagt caciaaagact ataggcaata atggagacca 480

```


<400> 554
 cgcaggggct tctgctgagg gggcaggcgg agcttgagga aaccgcagat aagttttttt 60
 ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata ggttactaag 120
 atattgctta gcgttaagtt tttaacgtaa ttttaatagc ttaagatttt aagagaaaaat 180
 atgaagactt agaagagtag catgaggaag gaaaagataa aaggttttcta aaacatgacg 240
 gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaaagaaa attgagagaa 300
 aggactacag agccccgaat taataccaat agaaggga 339

<210> 555
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 555
 aaaaccaaca atgatgccta gtgagtatgt gtccacaggc cataacaggg tagaagagag 60
 acatcgtgca acccaatgag tagtgaaggg actgtgttgc ttgtgaagcg gtgtagtagc 120
 atttttgcag attcttggct gggtttagtg tactgatcta gaaaagctgt ttttctgctc 180
 ctttgtggaa ggcagttatg atcaggctgc atggacaaag caggtagagg ggcaccatca 240
 ggggctcttg cactattttc acctctaaat attacgtact cagtagtgcc ctgcttctag 300
 ggctctgaat acgggcttaa agtcatcttg tctgctgga atttgctgtg cagagccata 360
 agcctcccat tttgttagcg tcagctaggc caataggaac agaccgggac cttgtctcac 420
 actgatgata cctcacatgt tgaccggcta tgtgaactgc ctatttcta tgctggagtt 480
 ttgattttta actaaacgca aatctgtaga ttctc 515

<210> 556
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 556
 ctgtgccact cggccatctc tgtatgtgac tgtgatgttg gacatctggc agttcatggt 60
 gtctctgct tcaatgagct tccccgata tacctaccg gtgttcgtct cacatgtcac 120
 aatgtggccc tcggcctcat gcagtacttt aatcggcaca ccaatagaca tcttggcagg 180
 aagagagttc ggctctggcc tactttt 207

<210> 557
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 557
 ggccgcccgg gcaggctctgg cagcgtctga tgtcgggcac agaggtgaca ccgcagcgt 60
 tgtactgccc gtccccaatg gagcgtgaca cctctagcac gcccaaaaca cgcccatccc 120
 tgacgtttcc tccagccttc tgtatcctca tccgctcttc atactgagtt ggattatgct 180
 ctttgcctgag gcttaaggct gcatgttttt gactctcctc attataacga cacaagattg 240
 cccgactatc tccgaggttg gcaatataaa gaatgttgtc tacagccaga acacacgtgg 300
 cagtggaccc atctttccag gcaggcttct ggctggaagc ttgtttaagg aactcttcat 360
 cagtatgctt gaaagtgtcc aaaaggcatc tcttcacggg tttctctaca ctgattacat 420
 ctcttttagg aaattttctg attaagtttt gatgcaaatt ctgtgcagca aattttgagg 480
 ctgcaattcc t 491

<210> 558
 <211> 511
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 408, 499

<223> n = A,T,C or G

<400> 558

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggatcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcactact gtgctgccaa 120
agctgggtcc atgacaactt ctgggtggggc gagagcaggc atggcaacaa attccaagtt 180
agggctctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg tggaagacaa tggatttcgc 300
cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagnaa ctctcgatgt 420
tacatcaaac attatgatgg cactctgggc ttggatataa tagccatctc tcagtccacc 480
gaattttctc tggccggcng tgtcccatac a 511
```

<210> 559

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 198, 253, 263, 279

<223> n = A,T,C or G

<400> 559

```
ccatgttctt cagaaagaac atgcctggct ttttcacgat ttgatcagtc ttcttagacc 60
ctgaacccca ccatgaaatg gcttccccag acacaaccgc agagagtatt gctttgtttc 120
tcagctaaaa tattttgcag atcttaattt cctgggtcat tgcattttt tttttttttt 180
ttaaagactg agtttaanaa ataaattatc ggccgggcga ggtgggtcat gcctataatc 240
caagcacttt ganaggccaa gnggggtggg tcacaaggnc aggagtttga gaccagcctg 300
g 301
```

<210> 560

<211> 218

<212> DNA

<213> Homo sapiens

<400> 560

```
ctgctgcagt tcactggaca aggattcgcc atcgacactg tgcttggccg cactggagag 60
gatgaaactc agcactgcc aatgtggcct cactatgcct gactcaaaact tggcgtcagc 120
cgtgagcttc aggatcttct cataatcaat cccctgtccc agcagctcct ttagtacctg 180
gctgcagagc agccgcaact tcacagagga catcttgg 218
```

<210> 561

<211> 436

<212> DNA

<213> Homo sapiens

<400> 561

```
aaaggcttaa tggcaataat caggggagga agaagagtat gtttatttta cataactgac 60
```


<223> n = A,T,C or G

<400> 564

```
cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
acagcaagac tgtctcaaaa aaaaaaaaaa aaacccaaaa aaactcaaga atgtaatgaa 120
tgatacccaa tgtgcctttt ctagaaaaag ttgccaaata tatctcttgg atctgctgag 180
catgtcctct gatacataag gcaagcatgt ttctacaccc agtgttgatg ccagttagtt 240
ttcanaatcc aaactgatgg cagctactgg tccttgggac tgacatcctc tgggaatata 300
accttctctt ggactganat gctgctgcca gctntaaaac agcactctgt tctcaaaacc 360
tcatggcagg ctctctggctc caatactcan 390
```

<210> 565

<211> 219

<212> DNA

<213> Homo sapiens

<400> 565

```
ccaagaggaa tcagaaacct gaagttagaa aggctcaacg agaacaagct atcagggctg 60
ctaaggaagc aaaaaaggct aagcaagcat ctaaaaagac tgcaatggct gctgctaagg 120
cacctacaaa ggcagcacct aagcaaaaga ttgtgaagcc tgtgaaagtt tcagctcccc 180
gagttggtgg aaaacgctaa actggcagat tagattttt 219
```

<210> 566

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 249, 307

<223> n = A,T,C or G

<400> 566

```
ctgcctgcct gccagaggcc aagcattcct aagcgtgggc tgggggaggc cctgcccctc 60
tgtagcagca gagcagacag ggcagtggga gaaccatgtg ggtaggaggg catcaggtct 120
caagagcctc tcccctgctc aggactgggt ctagacaagg ccacgtgtga taggggtggt 180
agccctgggc catatggagg agcctggggc ccattcttgt tctgctgctg agttgctggg 240
tggttttang caagtcctt ctgtgccctt ggtcactctg tttcctggct agcactggca 300
gcaaggnctc ca 312
```

<210> 567

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 457, 560

<223> n = A,T,C or G

<400> 567

```
ctgcatttgg gggagagggg tagggattat cttcaaagca ccccagctct cttgatgaga 60
aggtcagagg tacactgggt tgtattattg cgacatccat aaggtgatct aggttgcttt 120
tccttcagca agggctttat ttatcagaag gacattacgc ttgacctoca aatttggtct 180
```


<210> 575
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 575
 aaatgagcgt aaaaggccct ctaacctatg caggtttccc cattatgcat atagaaaatg 60
 ctagtatgtt ttgctcactt catatgtaac aggtgccctt atgttgtgct gtatcctgtg 120
 ctttttctgt gggaccattc cattcaggag caaagagcac catgattcca atcttggtgtg 180
 tgtttactaa cccttcctg aggtttgtgt atgttgata ttgtggtgtt tt 232

<210> 576
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 576
 ctggcaattg gtttctgtga tgagtcgggc atcatggctg acaacgatca cagcaccctt 60
 gtattcattg atggcctccc ctagagcatc aatagactct atgtccaggt tattgggttg 120
 ctgctccaag atgaggacat caggttccc acaggccagc tcagcaaaca caactcgcgc 180
 cttctgacca ccagagagtt tgcagatctg gatggtgtgg gcgtgactct ccaggccgaa 240
 gcggcccagg cacttgccgg catcctggta gggcagggtg aagccccgct gcagggtactc 300
 agtgggctc tcctccatgc gcag 324

<210> 577
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 577
 ctgaccagca ccatggcggg tggcaagaac aagcgctta cgaaaggcgg caaaaaggga 60
 gccagaaga aagtgggtga tccattttct aagaaagatt ggtatgatgt gaaagcacct 120
 gctatgttca atataagaaa tattggaaag acgctcgtca ccaggacca aggaaccaa 180
 attgcatctg atggtctcaa gggctcgtgt tttgaagtga gtcttgctga tttgcagaat 240
 gatgaagttg ctttagaaa attcaagctg attactgaag atgttcaggg taaaaactgc 300
 ctgactaact tccatggcat ggatcttacc cgtgacaaaa tgtgttccat ggtcaaaaaa 360
 tggcagacaa tgattgaagc tcacgttgat gtcaagacta ccgatgggtta cttgcttcgt 420
 ctgttctgtg ttggttttac taaaaaacgc aacaatcaga tacggaagac ctcttatgct 480
 cagcaccaac aggtccgcca aatccggaag aagatgatgg aaatcatgac ccgagagggtg 540
 cagacaaatg ac 552

<210> 578
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 578
 cctgacagac agaagggtt ggagattttt tttctttaca attcagtctt cagcaacttg 60
 agagctttct tcatgtgtgc aagcaacaga gctgtatctg caggttcgta agcatagaga 120
 cgatttgaat atcttcagt gatatcggct ctaactgtca gagatgggtc aacaaacata 180
 atcctgggga catactgg 198

<210> 579

<400> 582

```
<210> 583
<211> 422
<212> DNA
<213> Homo sapiens
```

```
<210> 584
<211> 210
<212> DNA
<213> Homo sapiens
```

```
<210> 585
<211> 214
<212> DNA
<213> Homo sapiens
```

```
<210> 586
<211> 644
<212> DNA
<213> Homo sapiens
```

```
<400> 586
aaattattttc catagtctta aaaaatatgt aatgtcagaa tgcataataa aagaatgtaa 60
aaggaaacct aaaatacaaa tgggaataatg taacaaataa atatttgatt tcagtaactg 120
ttaataatca gctcaacacc accattctct ctaaaactcaa ttttaattctt ataggaataa 180
tgaactgtca aatgccatgg cataattatt tatttccaag ctatcatcaa tgattagaac 240
taaaaaaatt ttggcataaa aaaatcacaa ttcagcataa ataaagctat ttttaqcttc 300
```



```

aacactagct agcatctcta agaattgttg aaataagtac tataacottg aaaattttcg 360
acctggtgtc tagtggttaag tgaaagtaat gcattttttt taagtgaaaa gcttcttaca 420
ttatttcaca gacagtatta cccacccac attatgaata gttagatata ttttatgtac 480
tttataccca catgtatgac gcatgacatt tggttcctgt agtacagatc acaatgttgt 540
tttctgaat gggaaaaact taaaaaaaaa aaaaaaaagg gaagtgtacc tgtgcacatt 600
tcaagatagc agcactcagt ccatgcccta ttatccatct taaa 644

```

<210> 587
 <211> 162
 <212> DNA
 <213> Homo sapiens

```

<400> 587
ctggcaagtc cacaagccct gctggggccc tgcttgttgg cctgaccct ccctcaccag 60
gcagccagcc aagggtggttc ctgcttcacc cactcagtca tcagcctcag gctgccccaa 120
atgcctctga caccagattt atatcttctg ggcggcttct tt 162

```

<210> 588
 <211> 438
 <212> DNA
 <213> Homo sapiens

```

<400> 588
ccagggtgcc acaaacccaa agcaaagttt caaaataata taaaatttaa aaagttttgt 60
acataagcta ttcaagattt ctccagcact gactgataca aagcacaatt gagatggcac 120
ttctagagac agcagcttca aaccagaaa aggtgatga gatgagtttc acatggctaa 180
atcagtggtc aaaacacagt cttctttctt tctttctttc aaggaggcag gaaagcaatt 240
aagtggtcac ctcaacataa gggggacatg atccattctg taagcagttg tgagggggta 300
gagatgggac aaaattttgg tctcagaggt cttaccatct taatttggta acttctaata 360
aaaaaaataa aaaatagaaa taacattatc caaagatatc ttaaagctga aaacttgaac 420
agcacatttt ttgttttt 438

```

<210> 589
 <211> 150
 <212> DNA
 <213> Homo sapiens

```

<400> 589
ctgttgacgc atccagttca tcttaagaat gtcaacgatt agtcatgcaa taaatgttct 60
ggtttttgcg ctatctcagc agacctcact tgcccatgg ccttcattgg gcgtccagg 120
octcagaccc ttctctgtgt tccgtcctgg 150

```

<210> 590
 <211> 99
 <212> DNA
 <213> Homo sapiens

```

<400> 590
aaagaaatat aacgtagaat accaagaata ttgcaaagc aaaaacaaat ataaagctga 60
aattctcaaa aaattggagc atcagagatt gatagaggc 99

```

<210> 591
 <211> 363
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 257, 294, 306, 352, 354, 359

<223> n = A,T,C or G

<400> 591

```
cctggccgcc aggcagaatg acaccccaag ccaggcggtc gaggggctgg ggcagctctc 60
ctaaaatgac cctctgcca tgacaccaca ccctcagtc cttcacacag aacgcggtaa 120
tttctgtaac ttgtttcctt acccccaga agcagcaatc accccatcag caaagttgcc 180
ggcaggcaga gctcccaatt tgggctttcg gtgtgcagcg ctccgtgtct aaccagaca 240
gggactgtcg gtacctnctg gggacgggga caggacagc ccctcatgtc cttncaccaa 300
atcttncaaa ggcccccgga aaaaagccgt caatccggga acagccacct tntngcctnc 360
tgg                                     363
```

<210> 592

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 375

<223> n = A,T,C or G

<400> 592

```
ctgggtcacc acacggcggt ctacctcatg tttgatggag cgggcgccat agtgcacatt 60
gtagccgtcg accagcacat ctgccacctc gcggtcccag agcagcgtag tgttgtgctt 120
ttgcttggtc ctcttgccc agaagtttag ttccttggtg acgagttgga tgagctccga 180
gtggcagaag ggggaggaag tagacgatct cattgatccg tcccagaaac tcatccctcc 240
ggaagtgagc tttcaggata gggcgaatca cattctcctt gaagttcttt gagatggtag 300
tcttgctact tatctggaca tccccaggt tttcgccaat acggttacgg tcatctccaa 360
agcttctctg ctcan                                     375
```

<210> 593

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 196

<223> n = A,T,C or G

<400> 593

```
cctcgctgtg tgagcgccga gactccagg tattttacag caccaatctc cttagccatg 60
gctagacctc gcggataggt gatgggagtc agcttcttct ccttcagttt ctcgatcgtg 120
tctttatcat ccctaagatc aagtttagtt ccactagga tgatgggagt gttgggacag 180
tggtgccgca cctcangata ccactttgca cggacatttt caaatgatgc aggactcaca 240
agggaaaagc aaattaagaa cacatctgtt tgccgatagg atagggggcg taatctgtca 300
taatcttctt gtccag                                     316
```

<210> 594

```
<220>  
<221> misc_feature  
<222> 345  
<223> n = A,T,C or G
```

```
<210> 595
<211> 348
<212> DNA
<213> Homo sapiens
```

```
<210> 596
<211> 120
<212> DNA
<213> Homo sapiens
```

```
<210> 597
<211> 578
<212> DNA
<213> Homo sapiens
```

```
<400> 597
aaacaaattg cagagaatat agaaaaaaat aggttattta cagaaaacaa tatctacata 60
tgtacttaga ggtacaaatt tgggtacaga aaagacttca gtatatgctg gcatcttaga 120
agcagttctc aaagagctta gttttatttt ctgaatttt aagaatgoot aagatccttc 180
ttcatcctcg atcttgggag ccaagtagta ttttaagtgt cccatatcog caattttata 240
ctotacaaca aggggtacat ctgcagacat actgagtgtc accgttgaag agagtggagt 300
ggcttttgta aagaagtcca ggtacctcag tgcaaaagtt agttgaactg gttcattcat 360
```

```

ctctatggta acagcttcct cctctttatc gacattactt gtctgtgaca atttaatgtt 420
tccatttcca agttctccac ttgcagaaaa ttctactcgc tcttttgcaac aggaaattac 480
aacagcatct ccaatatggc tgagatctcg gcatatacgt gcaaattcac cagaaggcat 540
ctttactaca cagtgaccca cgatgcagtg catgcaca 578

```

```

<210> 598
<211> 169
<212> DNA
<213> Homo sapiens

```

```

<400> 598
ctgcttgcca gcaaagatca gtctctgctg atcaggagga attccttctt tatcctggat 60
cttggccttt acattttcta tcgtatccga ggggttcaacc tcgaggggtga tgggtcttccc 120
cgtaagggtt ttcacgaaaa tctgcatttt ggtggcggtt ccaccgcag 169

```

```

<210> 599
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 444
<223> n = A,T,C or G

```

```

<400> 599
aaatgattta agttcatttg ttctcaacct tggggtaaac tgaggatatt tgccttcctgg 60
gaagatcttc gcaattttga gtgctcctgt ggggagcggg gatgagctaa agatacaatg 120
tttccctgcc ccgcaccgct tccacaaaat agcaatgtgg ttttgagct ctgacttctg 180
ctcccagtaa cccatcgcta gggcactcta gcactatgga ggtacccaag gctcagccag 240
tctctattta agaaaattta acaaatacga gtaaccctgt cccaatcaact gaatctctag 300
ttactactct tagaaacacc tgtggcttct tggccctcct gttgcccgt ctgaatctct 360
ctgcagtcta caaaatcgcc ccagtcaact ctccacttgg agggaattgt ccagtgtggc 420
ccctagaatt gagtcacccc ctanatacca actgtctgac cccgaggagc tctgtaagtc 480
cctgctctct ctcttccctt tggggctggt gct 513

```

```

<210> 600
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<400> 600
ccagggtgct tttggaaca tgtgtcgtgg aggccgaatg tttgcaccaa ccaaaacctg 60
gcgccgttgg catcgtagag tgaacacaa ccaaaaaacga tacgccatct gttctgccct 120
ggctgcctca gccctaccag cactggtcat gtctaaagggt catcgatttg aggaagttcc 180
tgaacttctt ttggtagtgt aagataaagt tgaaggctac aagaagacca aggaagctgt 240
tttgctcctt aagaaactta aagcctggaa tgatatcaaa aaggtctatg cctctcagcg 300
aatgagagct ggcaaaggca aaatgagaaa tcgtcgccgt atccagcgca ggggcccgtg 360
catcatctat aatgaggata atggtatcat caagg 395

```

```

<210> 601
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<400> 601
tgacagttga attgacactt ttattggggc agaatggaac agtccaagaa tgtagatact 60
gattctttct ccataaatgt tcttatagtg tgttcatcct agagttattt ttttgtttgt 120
ttttttcctt tttggatctt gattgataac tgccatgata ttttgctttg atgtgtttct 180
acatgtagtt gcacacgggt cagtaaaaat aatgctgcta tcgagtatgc aaatattgaa 240
gtatgatggg ttgactgtat ggcagtgttg tagcagcctc ttgttttttt ccccatgtgc 300
tctttttttt                                     309

```

```

<210> 602
<211> 562
<212> DNA
<213> Homo sapiens

```

```

<400> 602
gagaagggca ggatcagaag ggaccttggc acagcgacct catcccccaa gtggacacgg 60
tttgcttgc aactcgcaaa gcaattgcct gccttgtact ttatgggctt ggggtgtgta 120
gaatgatttt gcgggggagt ggggagaaag atgaaagagg tcttatttgt attctgaatc 180
agcaattata ttccctgtga ttatttggaa gagtgtgtag gaaagacgtt tttccagttc 240
aaaatgcctt atacaatcaa gaggaaaaaa aaattacaca atttcaggca agctacgttt 300
tcctttgttt catctgtctt ctctctcacc accccatctc cctctcttcc ccagcaagat 360
gtcaattaag cagtgtgaat tctgactgca ataggcacca gtgcccaaca catacagccc 420
caccatcatc cccctctcat tttataaacc tcaaagtgga ttcactttct gatagttaac 480
ccccataaat gtgcacgtac ctgtgtctta tctatatattt aacctgggag actggtgtcc 540
tggcatggag atgaccatga tg                                     562

```

```

<210> 603
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 340, 410, 419
<223> n = A,T,C or G

```

```

<400> 603
atttccgtgt ctagagtcca atatttgagt ctctcgtgca aatgagacta ttctttgtgg 60
tacaattcca cctatcatat gtgaaaactg cagtaaaaat aaaccagat gctaaatcat 120
tctacaaaag gtttgactga aactgtggca gatgtctcat cttctttata tgtaaagcag 180
catactcttc tgatttttat tgcaatcttt taccaagtgg tgcacaaact tggatttgat 240
gtctttatcc cattttgagt ttagattgag aatattttta ttttctgaag gcagagatat 300
ctactgtata attgcaccaa agtacatttg aaaggaaggn tttcaatagt gtaatactgc 360
agcgatgtag ataaaatcac aaatgtataa tgtgttaggt tgaataaggn gtggaaaant 420
gcttttctgt tagtag                                     436

```

```

<210> 604
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<400> 604
ccttttttga caggtgggtgt gtgggtggcct tggtatgtgc tttctcgtgt tacatcgogc 60
catcattggt atatggttag tgtgttgggt agtaggaaaa aaaaagtatt cagcaccatt 120

```

```
<210> 605
<211> 417
<212> DNA
<213> Homo sapiens
```

```
<210> 606
<211> 258
<212> DNA
<213> Homo sapiens
```

<400>	606						
ctgactggtg	agagagcagc	acatcatttt	atcattttat	cttcttttga	ctacaggttg	60	
ggtgggaggy	atttgggttg	gtggattaac	agatggaatt	gaggagagag	taggatgctg	120	
attttcttac	ccgtggccca	ggtctgtgcc	ttccccatgc	caaggactct	aggtcaaatg	180	
tcaataaata	tgaacctcga	gaaagtttctg	aaggccatga	aatanaaaaa	aaaaaaaaaa	240	
aaaaaaaaaa	aaaaacctn					258	

```
<210> 607
<211> 92
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc feature  
<222> 76, 78, 83, 85, 87  
<223> n = A,T,C or G
```

```
<400> 607
aaataaaaagt ccagctataa ggaagcagtc tgtgcagtgt gtgggtgagt ggaatgggaac 60
gtgtgtgtgt ggtgtntntg qtntntntgt qt                                     92
```

<210> 608

<211> 489
 <212> DNA
 <213> Homo sapiens

<400> 608
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
 agtcccatga aattaattat tttctctgct tgatcttggg ggacagtttc atgaagctgt 120
 cagttagtgc attaaagttt tggaaattct cagacagtgc agtggatatca gaaacttgta 180
 ttcaagagta caggtcagag tcttcttttc ttttcttttt gagatggagt cttgctctgt 240
 tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
 aagcgattct cctgcctcag cctcccaggt aactgggact acaggtgctc gccaccaagc 360
 ccagctcatt tttgtatttt tagtagagat ggggtttcac gatgttggct aggatggctc 420
 cgatctctgg tcagagtctt ttctgtaaat atccttggta aagaagcaat ttagactgt 480
 agctgttgc 489

<210> 609
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 609
 cctcggtgtg tggagggcaa aggtgacagc atcatggaca gaggcaaaga gatgcttctt 60
 ggtgatggat gcatcgaaga agtgcccagc ctcaagetgg ctgaccacag ggctgtggca 120
 ggccgccatg tacacctcca cctcaatctc ccggaagtca tggaaaatat tcttcaggct 180
 cttgaggcac acagtgtcca caaaggagag ggaccccagg tccaggatga ggctgtggaa 240
 gtctggctga ggcaggccca gggccttcag tgtggacca tctggggcct tggagtcttc 300
 ttgaccattg gctgttgcac cttccatctt atctcctgag ctaccatca tcttgcagtc 360
 ctcaacgttg ttgctcctca tgtcttcaag gctg 394

<210> 610
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 610
 ctgaaaatcc atcagtgcc aacatccaat gaacctctat tcaagtgtac ccaggaagga 60
 tgtgggaaac actttgcac acccagcaag ctgaaacgac atgccaaggc ccacgagggc 120
 tatgtatgtc aaaaaggatg ttcctttgtg gcaaaaacat ggacggaact tctgaaacat 180
 gtgagagaaa ccataaaga ggaaatacta tgtgaagtat gccggaaaac attt 234

<210> 611
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28, 56, 66, 67, 80, 124, 206, 211, 255, 257, 268, 275, 297,
 332, 348, 362, 370, 377
 <223> n = A,T,C or G

<400> 611
 cttttttttt tttttttttt tttttttnga aaagtcattg aggcattggg gttggnttga 60
 aaccannntt ggggggttcn attccttctt tttttgtcta aattttatgt atacgggttc 120

```
<210> 612
<211> 307
<212> DNA
<213> Homo sapiens
```

```
<210> 613
<211> 303
<212> DNA
<213> Homo sapiens
```

```
<210> 614
<211> 282
<212> DNA
<213> Homo sapiens
```

```
<210> 615
<211> 468
<212> DNA
<213> Homo sapiens
```

```

<400> 615
ccacaccttc caggcacttg gacctgatgcc ccgccctggt gctctcccca ggctccctcc 60
tcagcctcct gccaccccaag ggccctttac tctcttctcc ctccagacct tcctctgaac 120
cttgctgaac tggggtccct ttgtgagttg ctcaccttag aggtacctcc cctccctggg 180
ggtctcagct cctggagtcg caggcccttg gggccctctg gtgagatctc aatgctgtct 240

```



```

ggggacccta agagttttct cacctgttca gtctcatcta accttccaat gtctgatgtt 300
cctgccaaat tcctgcctga ttctgggtcc gtcttgacct ccaaagggtca gcttgggtgct 360
tgaggtctcc ctgctcttgg tggcagtggt agcagcaaca gcagcagcag cagcagcagc 420
agcagcagag acctctccac tttcccttaa ccctctgctt gggtagag 468

```

```

<210> 616
<211> 319
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 313, 315
<223> n = A,T,C or G

```

```

<400> 616
ccagataagg ctgacttcag tgctgatgca agttcctttt tggtccttct ctggtagggc 60
aaggcaatat cctgtctctg tgcattgctg cggttggtca aaatgttgac aatgggtgacc 120
tcatccacac ctttggtctt gatggctggt tcaatgttca aagcatcccg ctcagcatca 180
aagttagtag aggctttgac agaccatat gcaactgggg gtgtagagtg atcacccctcc 240
aagctgagct tgcacaggat ttcgtgaaca gtagacattt tgaaggaagc tgggccgtgc 300
gccgagagct ganancgtc 319

```

```

<210> 617
<211> 406
<212> DNA
<213> Homo sapiens

```

```

<400> 617
cctgcaccag ctcttggtg gttaaacactc tatagagctc ctctgggtgac gtcaggaagg 60
tttcccttaag agtgatctta caagtgggga ttttgactcc aacagggtctg gcctgggttt 120
ttgaaggagc aggcttagcc ttgcgctcct cagttttcag tgctgggtgc cccaactgggt 180
ctactgactc tccattcatt gtaggtaaga tcatgccctg ggtgaactct gttttgaggg 240
tgctgatgta aattccatt gcttctctta gaagtttcac cccttcttcc ttcattaagg 300
ccacgagatt tgtgtcaggc tcatctttgg caaggctcac actaatctcc acttcatcca 360
cgctgttttc atcagacaaa ttgggggatct ccacatgtcc tttgta 406

```

```

<210> 618
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 618
ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tcgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggt tgcattgtgg atgcaaactc gagcgttctc aacttggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tcgcgcagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
caccacagat tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg 480
ctctg 485

```

```

<210> 619

```

<211> 386
 <212> DNA
 <213> Homo sapiens

<400> 619
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataatatcca tttagccttc tgagctttct ggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatatc aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaa 386

<210> 620
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 351
 <223> n = A,T,C or G

<400> 620
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccattggactg 60
 cacatagtcc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcatc 120
 ttcaactaca cactgtattt gaagtttctt aattccgtat ccactggaa ctagttttaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgccat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta noctctttgc 360
 ttcttcactt tctctctcat catcagatcc aaagaggcca atgtcatcat catctttact 420
 atctgtagct ccacttcctg tagtg 445

<210> 621
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 300, 308
 <223> n = A,T,C or G

<400> 621
 cctgctggga acgggacttc taaaaggaac tatgtctgga aggctgtggt ccaaggccat 60
 ttttgcctggc tataagcggg gtctccggaa ccaaaggagg cacacagctc ttcttataat 120
 tgaagggtgtt tacgcccagag atgaaacaga attctatttg ggcaagagat gcgcttatgt 180
 atataaagca aagaacaaca cagtcactcc tggcggcaaa ccaaacaaaa ccagagtcac 240
 ctgggggaaaa gtaactcggg cccatggaaa cagtggcatg gtctgtgcca aattccgaan 300
 caatcttctc gctaaggcca ttggacacag aatccgagtg atgctgtacc cctcaaggat 360
 tt 362

<210> 622
 <211> 352

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 20, 86, 141, 218, 242, 296, 301, 321, 337
<223> n = A,T,C or G

<400> 622
cctgctggga acgggacttn ctaaaaggaa ctatgtctgg aaggctgtgg tccaaggcca 60
tttttgctgg ctataagcgg ggtctncggg accaaaggga gcacacagct cttcttaaaa 120
ttgaagggtg ttacgcccga natgaaacag aattctattt gggcaagaga tgcgcttatg 180
tatataaagc aaagaacaac acagtcactc ctggcggnaa accaaacaaa accagagtca 240
tntggggaaa agtaactcgg gcccatggaa acagtggcat ggttcgtgcc aaattncgaa 300
ncaatcttcc tgctaaggcc nttggacaca gaatccnagt gatgctgtac cc 352

<210> 623
<211> 377
<212> DNA
<213> Homo sapiens

<400> 623
ccaaatgtgt tacttgtgca ccaaagagtt ttttaaaaag agatttgctt acgggtgagc 60
actgaagtat acattgtgcc aatgtaatta ttgtcttgga gaccttctag aacttgctaa 120
atcatatagc aagaagagaa tgagttcagg cccagtaaat ctggtgagtt aatttacatc 180
tgtgatactg ccgtttttcc cattaaatgt ggttatggca aagcattctt agggtaataa 240
ataaataaat aaacttttga caatgccttt acttgtgccc tatatacaga actattccat 300
agaattttcc aggatttcaa gatactacac aaagaaaaaa actgtaaagc aatttggtcc 360
tttccaaatt tcagcag 377

<210> 624
<211> 260
<212> DNA
<213> Homo sapiens

<400> 624
ctcgtcgtctg cagcgacaca cgccctcgcc gccgccatga ctgagcagat gacccttcgt 60
ggcaccctca agggccacaa cggctgggta acccagatcg ctactacccc acagttcccg 120
gacatgatcc tctccgcctc tcgagataag accatcatca tgtggaaact gaccagggat 180
gagaccaact atggaattcc acagcgtgct ctgcgggggtc actcccactt tgttagtgat 240
gtggttatct cctcagatgg 260

<210> 625
<211> 441
<212> DNA
<213> Homo sapiens

<400> 625
ccactgcaga tggaacctc tcagtgtctt gacatcacc taccagggcg gtgggtctcc 60
accacagcca ctttgagtct gtggctccctg gaggtgggt tctcctgact ggcaggatga 120
ccttagccaa gatattcctc tgttccctct gctgagataa agaattccct taacatgata 180
taatccaccc atgcaaatag ctactggccc agctaccatt taccatttgc ctacagaatt 240
tcattcagtc tacacttttg cattctctct ggcgatggag tgtggctggg ctgaccgcaa 300
aagggtgcctt acacactgcc cccaccctca gccgttgccc catcagagga tgcctcctcc 360

ttctgattac ccccatgtt gcatatcagg gtgctcaagg attggagagg agacaaaacc 420
aggagcagca cagtggggac a 441

<210> 626
<211> 476
<212> DNA
<213> Homo sapiens

<400> 626
ctggggccac tgtcggcatc atgattggag tgctggttgg ggttgctctg atatagcagc 60
cctggtgtag tttcttcatt tcaggaagac tgacagtgtg tttgcttctt ccttaaagca 120
tttgcaacag ctacagtcta aaattgcttc tttaccaagg atatttacag aaaagactct 180
gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccatctctac taaaaatata 240
aaaatgagct gggcttggtg gcgcgcacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaacccgg gaggtggaga ttgcagttag ccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaac 476

<210> 627
<211> 607
<212> DNA
<213> Homo sapiens

<400> 627
ccagaagata acattccatg gtgaaggaga ccaagaacca ggactggagc caggcgatat 60
tatcattgtg ttagatcaga aggaccgtgc tgtttttact cgacgaggag aagacctttt 120
catgtgtatg gacatacagc tcgttgaagc actgtgtggc ttccagaagc caatatctac 180
tcttgacaac cgaaccatcg tcatcacctc tcatccaggt cagattgtca agcatggaga 240
tatcaagtgt gtactaaatg aaggcatgcc aatttatcgt agaccatatg aaaagggctc 300
cctaatactc gaatttaagg taaactttcc tgagaatggc tttctctctc ctgataaact 360
gtctttgctg gaaaaactcc taccgagag gaaggaaagt gaagagactg atgagatgga 420
ccaagtagaa ctggtggact ttgatccaaa tcaggaaaga cggcgccact acaatggaga 480
agcatatgag gatgatgaac atcatcccag aggtggtgtt cagtgtcaga cctcttaatg 540
ggccagtga taacactcac tgctggcatt taatgtgcag tagtgaatga gtgaaggact 600
gtaatca 607

<210> 628
<211> 278
<212> DNA
<213> Homo sapiens

<400> 628
cctccgggta gaaggtgtgc atgtctccac cagtgtcatg tggcacctgc agatggcttc 60
tcgctggcac ctgtcatgct ctgcagacgt gcctggaaaa gaagcttatg ttgccttaag 120
gtcatctttc tcctttgagg gagagtacag aagtcgtggc gacaccaca gccaaagccag 180
gatcgttatc tacgcgtgag catgcagagc gggcgtgaga tattcccgt gaatacaagct 240
aaaaataacg catccaagct gccgagttat gaaagcag 278

<210> 629
<211> 329
<212> DNA
<213> Homo sapiens

<400> 629

```

ctgacagaga caccagcact cgctggaaca tgaacgatgt gtcagagcga atgtcatctt 60
caaggctccg tccatattgc tgctggtagg tttggcttat gcgccggatc tcctcagggg 120
tccgggaggc caggatctca attaggcagc cctcatcagt gccggctccc ttcattggccc 180
ttcgcagctc ttgcacgtca tacagcaccc tgggcgtcat catccccaca atcacctgct 240
cgaagttgcc actcagttct gacttcaggt cgtctatcaa gtccctgccg atgggtgctct 300
tgtaggctgt cctgatctcc tggcgtcg 329

```

<210> 630

<211> 465

<212> DNA

<213> Homo sapiens

<400> 630

```

gcacggagat ctgcgccgct ttacgttcac ctcggtgtct gcagcaccct ccgcttctct 60
tcctaggcga cgagacccag tggctagaag ttcaccatgt ctattctcaa gatccatgcc 120
agggagatct ttgactctcg cgggaatccc actgttgagg ttgatctctt cacctcaaaa 180
ggtctcttca gagctgctgt gccagtggt gcttcaactg gtatctatga ggccctagag 240
ctccgggaca atgataagac tcgctatatg gggaaagggtg tctcaaaggc tggttgagcac 300
atcaataaaa ctattgcgcc tgccctggtt agcaagaaac tgaacgtcac agaacaagag 360
aagattgaca aactgatgat cgagatggat ggaacagaaa ataaatctaa gtttggtgcg 420
aacgccattc tgggggtgtc ccttgccgtc tgcaaagctg gtgcc 465

```

<210> 631

<211> 557

<212> DNA

<213> Homo sapiens

<400> 631

```

ctggctaaac agatgattgg gtacaatcta gcgacaaaac aaactccaaa agaagggtgtg 60
aaagttaaca aggtgatggg tgctgaagcc ttggatatTT ccagagaaac ctacctggca 120
attctgatgg accggtctct caatggcccc gtgctggtgg gcagcccta ggggggcgtc 180
gacattgaag aggtggctgc ttcaaaccgg gagctcattt ttaaggagca aattgacatt 240
tttgaaggaa taaaggacag ccaagctcag cggatggccg aaaatctagg cttcgttggg 300
cctttgaaaa gccaggctgc agatcaaatt acgaagctgt ataatctctt cctgaaaatt 360
gatgctactc aggtggaagt gaatcccttt ggtgaaactc cagaaggaca agttgtctgt 420
tttgatgcca agataaactt tgatgacaac gcagaattcc gacaaaaaga catatttgct 480
atggacgaca aatcagagaa tgagcccatt gaaaatgaag ctgccaaata tgatctaaaa 540
tacataggac tagatgg 557

```

<210> 632

<211> 324

<212> DNA

<213> Homo sapiens

<400> 632

```

ccttggtgat gaggccctc acagcttggt caatggcact cctgtcgata ccaaacatct 60
tcagcagctc agccggcttc ccacttcttg gtaccgggtt aactgccagg tgggtgacag 120
tgatgccagg ctgcgccact actgcactgg acacagcctc accaatgcca ctttcataat 180
aatggtcctc cacggtgagg atcctgccct tggtggaacg agcgtgtctg agaatgagtt 240
ttctgtccag gggcttgatg gtgaaggggt ccagcacgcg gatgttgatc ctttctttct 300
tcagcagttc ggcagcggcc aagg 324

```

<210> 633

<211> 534

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 528
<223> n = A,T,C or G

```
<400> 633
ctgttagagt atttagagtc ctgagataac aaggaatcca ggcatccttt agacagtctt 60
ctgttgctct ttcttcccaa tcagagattt gtggatgtgt ggaatgacac caccaccagc 120
aattgtagcc ttgatgagag aatccaattc ttcattctcca cgaatagcaa gttgcaagtg 180
acgaggggta atacgcttta cctttaagtc ttttgatgca tttcctgccg gttcaagtac 240
ctctgcgggtg aggtactcca ggatggctgc gctgtacaca gcggcagtcg cgcccacacg 300
tccatgactg gtcgtcctag attttaggtg tcgatgaata cgcccactg ggaactgcaa 360
gccggctctc tgcgagcggg aaaccgcctt tgtcttgccc tttccggagt cttttccagc 420
cttaccgccg gccatttcga attccgctga agctcaagca agcaaggcag agaaaaggct 480
aatcggaccc acggtgagat cccaccacct actccttcgt cgcaccgnga cctg      534
```

<210> 634
<211> 500
<212> DNA
<213> Homo sapiens

```
<400> 634
ctgactgggtt cctttaccaa ggtttgcaga gtagggtgtg tttgaacacc ttctgtgggt 60
ctgtgtcatt tccaagttga agaatttcag ccaaagagca acatgtcaca ttgattaaag 120
atgggttaatg acacagaaac atttctgtta atactaaggg aaaaggctgt tcttttattt 180
atttattttt cctgagtcct cacttttttc ttctctgaca aatgtttgaa attcagttaa 240
ataccaaagg agtcaaggat gaaggggaca caggatggaa tcagaaaaaa cataaatgga 300
atccaggcag ttctatgaga caacactgat atatctcctt gataaagaaa aaatgtacag 360
aatattttaat gagtctgtct tgccccaaaa gggaaaaaca caagtagcta agccatttgc 420
agagaggaaa aatgtcatgg aaaaatgaaa aatctctcta atgtctatag cacatgaaat 480
atctaagtag gtgggtgcag      500
```

<210> 635
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 499, 518, 527
<223> n = A,T,C or G

```
<400> 635
aaaatcttat tcaaaatatt aaataatagt ttcagatatg aaaaaattac tgcaataaaa 60
cggttcaggg gtatttccat tgcgcttccc ttccctatta ggaaagtaca ctgtccgccc 120
aagagacagg atggacggcc ttcttccagc tctacataaa gcgcaagccc actggctcac 180
ccgggtcctg cttaacatat attagggcta tgttttctaa aaagctgtag tgacacttgt 240
aagtcaacca tggttcaaat cacatattta catattgatc aattctttat gatagaaaga 300
cagacataaa tgaatcccat agtaaatact ttccagttgc cataaaaaac aaaaacaaag 360
aaaacaagtg tgggggaaaa aaggtaattg tacacaaata tcctttatgt atacaaacaa 420
cttcattcag gtataatttt aatttgaaag acctaggtac agtattattt aagtgataat 480
```

gacccctaag atttattcna atttactgta aaataatnaa cgaagtnaac gaatctgata 540
taattttt 547

<210> 636
<211> 185
<212> DNA
<213> Homo sapiens

<400> 636
gtcgaagcga ggacgtggtg ggtcctctgg tgcgaaattc cggatttctt tgggtcttcc 60
ggtaggagct gtaatcaatt gtgccgacaa cacaggagcc aaaaacctgt atatcatctc 120
cgtgaagggg atcaagggac ggctgaacag acttcccgct gctggtgtgg gtgacatggg 180
gatgg 185

<210> 637
<211> 215
<212> DNA
<213> Homo sapiens

<400> 637
ccaacctgcc tctacagcgt ccacagcgaa cacagggcta gacaagggag gagttttctca 60
aacggtttta atcggttctc tccgcgtcac aagccatcgg gtaaggcaac ggaatgtgcg 120
tgggggtcccc tgtggctccg cggtcacaat actgagcctg gaattgctgt tagcaaaata 180
tacatttgcg tcaccataaa aaaccgcgcc gccgc 215

<210> 638
<211> 350
<212> DNA
<213> Homo sapiens

<400> 638
aaaaaagaaa agacagtga cagaaactgc tacctaagga ttctagaggc aatgagacac 60
agagtcctgt ttttcaggac agaccgtatt gcccaagcct ctagcattta cggagcataa 120
attaagaatc ttgttttgcc ttgagtctca ccatgaaata atgacacggg agccacattt 180
gctgagggcc taatatgtac caggcattgt gctaaagtag ttcatatcca tgtctcattt 240
attccgaact tttttcctca gggagagaaa aatcaattac agtcttggtc ataggaaaaa 300
ccaaacttac aatttttgga aagcaagaac atgtacagta gaggaggagg 350

<210> 639
<211> 328
<212> DNA
<213> Homo sapiens

<400> 639
aaagctttga aaagctacta cttttacttc taatacatcc agatgaacac gatgtagcaa 60
tatcagcttg tattccagag aaatctcatt agttttttctg gtgatggaac caattatcca 120
cgtctgtttg tactgtgcag gcagattcac aggggtggtg taaagcatcc acaatggctc 180
tggcagcatc aggatcacac ttgaaggggc tctcagacaa agttgtattc atgcaactga 240
ttccttttcc attcgttttc ttagtcacta atgctttcca atggtcatga gtgcttttaa 300
taatatcaat ggcaaagtcc ttatcttt 328

<210> 640
<211> 453
<212> DNA

<213> Homo sapiens

<400> 640

```
ccacaggtgc ctgactagga gcccctaggt cccagggctt gagaaagggg taaaatagaa 60
cctccaggta gttttcttcc tctacctcca catcccccca agactgaaaa gagtcaactaa 120
ctctcttttc ccaagccttt tataaaactg caggaacact gtggagatgg ttcttatctg 180
gggtcctttt ggggacatat gcctcagtc gtcattcagt gattgatcca aaattattta 240
ctgagtgcct acctactctg cgccaggctc tctagcctct cactactgag ttaggggtgca 300
ggcagaggct ggggcagaat gtttacagcc agtgccagca caaggtagta atctagtgc 360
agagaacagg gtgttatggg gagcatatga gaggccatct atcccagcct ggggtgatcct 420
ggagagtttc ccagggttgt gatatgtggc agg 453
```

<210> 641

<211> 485

<212> DNA

<213> Homo sapiens

<400> 641

```
cctgctgggc ttggcaacga gggactcggc ctccggaggcg acccagacca cacagacact 60
gggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcaca agtcatcatg 120
gcttcagcgt ctgctcgtgg aaaccaagat aaagatgccc attttccacc accaagcaag 180
cagagcctgt tgttttgtcc aaaatcaaaa ctgcacatcc acagagcaga gatctcaaag 240
attatgcgag aatgtcagga agaaagtttc tggaagagag ctctgccttt ttctcttgta 300
agcatgcttg tcacccaggg actagtctac caaggttatt tggcagctaa ttctagattt 360
ggatcattgc ccaaagtgtc acttgctggg ctcttgggat ttggccttgg aaaggtatca 420
tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggg 480
tttgg 485
```

<210> 642

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 13, 16, 17, 267, 270

<223> n = A,T,C or G

<400> 642

```
ncatgctacg canagnnaga tggcgcccg gtaatggctg ggaaagtgga gatgacattg 60
gaaatcctca acgagaagga ggccgacgag aggccagccg ggaaggggag ggacgaaccc 120
aacatgaacc ccaagctgga cttaccaa atcagagaaa cctccttct ctgggttcacc 180
aaccatgca agaccatgaa gttcatcgtg tggcgccgct ttaagtgggt catcatcggc 240
ttgctgttcc tgcttatcct gctgctnttn gtggcc 276
```

<210> 643

<211> 305

<212> DNA

<213> Homo sapiens

<400> 643

```
cctgctagaa tcaactgccg tgtgctttcg tggaaatgac agttccttgt tttttttgtt 60
tctgtttttg ttttacatta gtcattggac cacagccatt caggaactac cccctgcccc 120
acaaagaaat gaacagttgt agggagaccc agcagcacct ttctccaca caccttcatt 180
```


ttgaagttcg ggtttttgtg ttaagttaat ctgtacattc tgtttgccat tgttacttgt 240
actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgcttg 300
acttt 305

<210> 644
<211> 517
<212> DNA
<213> Homo sapiens

<400> 644
aaaagtattt tctctacaga gaatcttata agctatacaa aaatctgtac agtttttata 60
ctgaagctag tattgagctg cacttgaatt cacattctta gcaaaaataat tgcctgagca 120
cacacacaca ttccacacgc atcattaaag gatagccatt tattcttcat cttcatcctc 180
ttctctctca tcttcatctt cttcttctc ctctctctcc tcatcttctg gttcgttctt 240
cttctttgag cctgttgagg tgccagggcc cttctttcct gcttcacttt tgcccttggc 300
acgatatgca gcaatatcct tttcatattt ctcttttagc ttagctgctt tctgttcata 360
tggttggtta tctttggctg actgctcaga ccacatttca cccaatttct ttgcagtatc 420
cccaatggat aggccagggt gttcactttt gatctttggg cgatgttcag agcaaaacag 480
gaagaaggca gatggtggcc ttttaggagc attgggg 517

<210> 645
<211> 484
<212> DNA
<213> Homo sapiens

<400> 645
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aacttcccga tgacctgcgc cttcataggt gttgccagca acttcacctt cctcagcgtc 120
atcgtgctct tcagctacat gcagtgggtg tgggggggca tctggccccg acaccgcttc 180
tctttgcagg tcgaaagggg caaggacccc cttttgtccc tttgatcttt gtgggtgggtc 240
aggggtatgt tggggattaa ggcattgagg tctgtattgt tagtgaggga agtcagtcct 300
ggctgctcag tagtttttcc tccacagggt aacatccaaa aaagagacaa ttcccggaag 360
gaagtccaac gaaggatctc tgctcatcag ccagggcctg aaggccagga ggagtcaact 420
ccgcaatcag atgttacaga ggatggtgag agcccctgaa gatccctcag ggacagaggg 480
tcag 484

<210> 646
<211> 325
<212> DNA
<213> Homo sapiens

<400> 646
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aatcagagaa gctggttggt attaaccaag ctacagattc acactttctg gcctaaaccc 120
taatgggatg aggcctttca cccagggcca tgctggtggt gatttttttag cccctaaata 180
aaacactgga ctatttctctg tttacttcat tgattgcaac tacaaagggtg gactcaaagc 240
aaagcacaat catgccagcc aacattccag aattctgctg agaactccaa gtctgtgagg 300
ggagaggttt tacaagccag acagg 325

<210> 647
<211> 566
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 535
 <223> n = A,T,C or G

<400> 647
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 gtactttctcc atgtctctgct cgatccactg gtacatgagg cccttcacat gcaagtctcg 120
 gatggcgctcc gtcacgtcct tgtagagatg tgcttggtca aactccaggc tgtggcccag 180
 aaagtagtcc accacacagg acggcagagc catctccggt agcgagaaga tgtccatgaa 240
 ctgcttaatg gagggaccct tgccatagaa gccactcatc tgggtatagt ggatgtgctg 300
 ggtaccccca tacagctcaa tcacctcctc gtctggcaca ggctggaggc cctgtaggc 360
 tgtccccaga cctgcccggg caggctctgt tttttctggc agatctgatg ctgatttgat 420
 gctgtatgat cttttttttt tttttagtta aattcattta gtgaatgttc tattatttta 480
 tacatacaca ttaagtactc agctaagtaa tggcactatg aggatttttt tttnttttcc 540
 tgtcagcagc agttctgtga atgcat 566

<210> 648
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 648
 ctgatcagcc tatatgaaga aagaaaaggt tatcattcag tccacgacat gtttggttga 60
 tttcaacata ggttttccag ttatactttt aatattgtga tctttcaaaa atcaatctta 120
 aaatcctttg aaacctgtag cacggctcatt taatgaaagt aaatagaata aagaaaactc 180
 cttatgctat ttttaacaaag gattacaagg aagtgacaac atctgctcac ttcaagtttt 240
 cttttctggg cccatggctt acagcttgct ctgcgatcta actaggctaa gttcatcatg 300
 tgaaaaatgg cacctctagt ggcagaaggc cccttggcac cag 343

<210> 649
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 649
 ctgcagccgc tgcagctact cctgctgtcc gcaccgttcc acagtataaa tatgctgcag 60
 gagttcgcaa tctcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
 ctgttcatgt acaaggtcag gaacctttga ctgcttccat gttggcatct gcccctctct 180
 aagagcaaaa gcaaagtgtg ggtgaacggc tgtttctctt tattcaagcc atgcacccta 240
 ctcttgctgg taaaatcact ggcatgttgt tggagattga taattcaaac ttcttcatat 300
 gctcgagtct ccagagtcac tccgttctaa ggttgatgaa gctgtagctg tactacaagc 360
 ccaccaagct aaagagg 377

<210> 650
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 650
 ccaagctgca ggggatttgg gggatgtggg acctccaatt cccagccccg gcttcagctc 60
 tttcccagggt gttgactcca gctccagctt cagctccage tccaggctcg gctccagctc 120
 cagccgcagc ttaggcagcg gaggttctgt gtcccagttg ttttccaatt tcaccggctc 180
 cgtggatgac cgtgggacct gccagtgtct tgtttccctg ccagacacca cctttcccgt 240

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ggacagagtg gaacgcttgg aattcacagc tcatgttctt tctcagaagt ttgagaaaga 300
acttttctaaa gtgagggaat atgtccaatt aattagtgtg tatgaaaaga aactgtttaa 360
cctaactgtc cgaattgaca tcatggagaa ggataccatt tcttacactg aactggactt 420
cgagctgatac aaggtagaag tgaaggagat ggaaaaactg gtcatacag 469

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<210> 651
<211> 436
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 347, 436
<223> n = A,T,C or G

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<400> 651
aaaaaagtga cattgcttta ttactattgg caggtggggc ctgcatgagg tggttagtgt 60
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gtttgaaggc cagggccaag gggtcctcag gtccgcttct ggggaaggga agccttgagg 180
aaggagtcac ggcaagccat agctaggcca ccaatcagat taagaaattc tgagaaatct 240
agctgaccat cactgtttgt gtccagtttc ttcacatgcg ggtcaaggac accaggggtc 300
ttctggttct ttgtgaaggc agctagtctt gtattcatga agcttangaa ctctgtcttg 360
gagagagtgt agttataacc atcctttcca gcatacttct ggaagacagc aatcaggggc 420
tcgatgcacc gctcan 436

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<210> 652
<211> 446
<212> DNA
<213> Homo sapiens

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```

<400> 652
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tttctttatg cctggtttg cccctctcac cagccgtgga agccagcagt atcgagctct 120
cacagtgccg gaactcacc agcaggtctt cgatgccaag aacatgatgg ctgcctgtga 180
ccccgcacc ggccgatacc tcaccgtggc tgctgtcttc cgtggtcgga tgtccatgaa 240
ggaggtcgat gagcagatgc ttaacgtgca gaacaagaac agcagctact ttgtggaatg 300
gatccccaac aatgtcaaga cagccgtctg tgacatccca cctcgtggcc tcaagatggc 360
agtcaccttc attggcaata gcacagccat ccaggagctc ttcaagcgca tctcggagca 420
gttcactgcc atgttccgcc ggaagg 446

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<210> 653
<211> 290
<212> DNA
<213> Homo sapiens

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```

<400> 653
ccactttgag catctcatgg tggccctagt gactccacca gcagtctttg atgcaaagca 60
gctaaagaaa tccatgaagg gcgcgggaac aaacgaagat gccttgattg aaatcttaac 120
taccaggaca agcaggcaaa tgaaggatat ctctcaagcc tattatacag tatacaagaa 180
gagtcttgga gatgacatta gttccgaaac atctggtgac ttccggaaaag ctctgttgac 240
tttggcagat ggcagaagag atgaaagtct gaaagtggat gagcatctgg 290

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```

<210> 654
<211> 467

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<212> DNA
<213> Homo sapiens

<400> 654
 cacgagcaca cagcacacaa acgcacagca cacacgcaca cacagcacac acacgagcac 60
 acagcacaca aacgcacagc acacgcacac acatgcacac acagcacact agcacacagc 120
 acacacacaa agacacagca cacacatgca cacacagcac acacacgcga acacagcaca 180
 cacgaacatg cacacacagc acacacacat aaaatgtgat acatatatat acacacacac 240
 acaaaatgtg atatatatat atgtgtatac acacacacac acacacacac acacacacac 300
 acacacacac catggaatac tactcagcca taaaaaggaa tgaaataatg gcattcacag 360
 caacttggat ggaattgaag actattattc caagtgaagt aactcaggag tggaaagcca 420
 aacattgtat gttctcaccg gtatatggga accaagctat gaggatg 467

<210> 655
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 655
 aaaacttttg ttaagaaaaa ctgccagttt gtgcttttga aatgtctgtt ttgacatcat 60
 agtctagtaa aattttgaca gtgcatatgt actgttacta aaagctttat atgaaattat 120
 taatgtgaag tttttcattt ataattcaag gaaggatttc ctgaaaacat ttcaagggat 180
 ttatgtctac atatttgtgt gtgtgtgtgt atatatatgt aatatgcata cacagatgca 240
 tatgtgtata tataatgaaa tttatgctgc tggtattttg cathtt 286

<210> 656
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 656
 aaaaaagttt cctagccatg aagccctgct actgatttag acaagggtatt atgggtcatta 60
 ctttgtaccc ctatccttcc aagcacttct ggtacttcag tegtttttac tgatccacca 120
 acacctaag aggctatgct acagtctcta gctaaatgga agacacattc atccttctcc 180
 ctctgactgc tttgatcatc atttattgca tctcataact aattttctaa agtttggatt 240
 gggacttttc aggtcctttt tggagggcaa aggaagtgcc agcttctctg ggggaacttgt 300
 tttt 304

<210> 657
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 657
 atgatatgaa aaaccatcgt tggctgtggg tgtagtccgt gcgagaataa tgatgtatgc 60
 tttgtttctg ttgagtgtgg gtttagtaat ggggtttgtg ggggttttctt ctaagccttc 120
 tcctatttat ggggggttag t 141

<210> 658
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 400
 <223> n = A,T,C or G

<400> 658
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 acttgcccat caggggctgg gacatggggg tgtgggtaaa gacagggatg aaggatagag 120
 gctgagagaa gaaggaagaa tcagcccagc aggtatgggc atctgggaaa cctccagcct 180
 caagtgtgtt ggtaacatga aaaagctctg ggggtagtgg ggatctgggt gtctgggtcca 240
 ttgctggcag tggacattat tcttgcccta agagacactg ccttttcagc agcagatact 300
 ggtgagatgg ggggtggctca ggctgttctt cctcctccta gaatgtctgg agctgtttct 360
 acattcagat actggtcccc tatcacaagg ctactggctn ataggaattc cctcctgggtg 420
 ccaccactgg 430

<210> 659
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 659
 ctggatctgg gattattgtt tcaactaccag gtttccagcc agcagggcag acttctccgt 60
 gtttgtcagt gtactggaat gcttgaacca aacgtagtgt ctcatccact gatctaccca 120
 caggaagatc attcagagta atttgtctta ggattccttt gtcataata atgaagagac 180
 ctctaagagt gtggcctgag tctcttaggt atacaccata gtcctttgag atctgatggg 240
 tcaaattctga aagaagtgga atccttattg gcccaagtcc tccttgtctt cgaggggtat 300
 taatccaggc caaatgggta aactgtgaat caacagagca tgctaccact tcagtattta 360
 tagatctgaa ttcttcaagt ctgtcgccaa aagcgataat ttcagttgga cacacaaatg 420
 tgaaatcaag tgggtagaag aagaaaacca agtatttccc acgataatca gttaacttca 480
 gctccttaaa ttctccatcg atcacag 507

<210> 660
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 660
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 gccacggcgc cataggcaag caccggaagc acccggcgg cgcggtaat gctggtggtc 120
 tgcataacca ccgatcaac ttcgacaaat accaccagc ctactttggg aaagttggta 180
 tgaagcatta ccacttaaag aggaaccaga gttctgccc aactgtcaac cttgacaaat 240
 tgtggacttt ggtcagtga cagacacggg tgaatgctgc taaaaacaag acgggggctg 300
 ctcccatcat tgatgtggtg cgatcgggct actacaaagt tctgggaaag ggaaagctcc 360
 caaagcagcc tgtcatcgtg aaggccaaat tcttcagcag aagagctgag gagaagatta 420
 agagtgttgg gggggcctgt gtctctgg 447

<210> 661
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 661
 ctgatttccc gaagccacta ctccccatc tacctgtcgt ttgtcatgct tttggctgcc 60
 ctgagctggc agtacctgac cactctctcc caggtaacag aagactatgt tcagactgga 120
 gaacactgat cccaaatttg tccatagctg aagtccacca taaagtggat ttactttttt 180

tctttaagga tggatgttgt gttctcttta tttttttcct actacttta tccctaaaag 240
 aacgctgtgt ggctgggacc tttaggaaag tgaaatgcag gtgagaagaa cctaaacatg 300
 aaaggaaagg gtgcctcatc ccagcaacct gtccctgttg gtgatgatca ctgtgctgct 360
 tgcggtcat ggagagcat tcagtgcac ggtttaggtg aagtcgctgc atatgtgact 420
 gtcagagat cctacttagt atgatcctgg ctagaatgat aattaaaagt a 471

<210> 662
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 662
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 ctgagccaga agattgagtt tgagtgcaaa atattcccgc tcatttctca gtcacgctgg 120
 ctggtgaaaa gtggggagct gacagccttg gagttcagtg cttccccagg gctacgaagg 180
 aagctgaaca cgcgtccagt ccacctgcac ctcttcaatg actgtctgct gctgtctcgg 240
 ccccgagagt cagtgactgg agtggcaggc cagggcacia gaggggaagg ggatgaggaa 300
 agaggggggt ctgaaaggga gagagaaggg tcatgttcct agaagagccc ttctcaatgg 360
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 ggggatccca tcaaactgta tcatgagacc acatagcagg acatgtaata tggatatagac 480
 acagagcaaa atgtagcaaa ttagcttacc acattctcac atgagttctat ttgtggcttc 540
 tttgga 546

<210> 663
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 663
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 gaatttgtac cgtgtcccg tcttagtgct cgaatgtccc aacctgaagc tgaagaagcc 120
 gccctgggtg cacatgccgt cggccatgac tgtgtatgct ctggtgggtg tgtcttactt 180
 cctcatcacc ggaggaataa tttatgatgt tattgttgaa cctccaagtg tcggttctat 240
 gactgatgaa catgggcac agaggccagt agctttcttg gcctacagag taaatggaca 300
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 aatcctggac cgatcgaatg caccaaatat cccaaaactc aatagattcc ttcttctggt 420
 cattggattc gtctgtgtcc tattgagttt tttcatggct agagtattca tgagaatgaa 480
 actgccgggc tatctgatgg gttagagt 508

<210> 664
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 664
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 aaggtoacca tcagaaaagc taagtttgc gtatagttag gatcaggaga totgatcctg 120
 attgcagaac cttccctgat tacagaatct tgggttgat ctcccacttc acccttctag 180
 accatcccag aagatctata agatttcac tgggaaatca ctaggagttc ttggaaggga 240
 aagaaggag attgttggtt ggaataaaaa cagggttgaa tgagttccag aaagcagggt 300
 tctcaacctc gtggacagca atctgcagaa gaagagaact tcaaaaaacc aactagaagc 360
 aacatgcaga gaagtaaat gagaggggcc tcctcaggaa agaagacag 409

<210> 665

<211> 452
 <212> DNA
 <213> Homo sapiens

<400> 665
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 aatcaagtgg ggcgatgctg gcgctgagta cgtcgtggag tccactggcg tcttcaccac 120
 catggagaag gctggggctc atttgcaggg gggagccaaa agggtcacat tctctgcccc 180
 ctctgctgat gcccccatgt tcgtcatggg tgtgaaccat gagaagtatg acaacagcct 240
 caagatcatc agcaatgcct cctgcaccac caactgctta gcacccctgg ccaaagaatc 300
 agtgaatgca gcttttgaaa tgacattaac agaaggaagt aagttggaga agaaactctt 360
 ttattcaacc ttggccactg atgaccggaa agaagggatg accgcgtttg tggaaaagag 420
 aaaggccaac ttcaaagacc agtgagaacc ag 452

<210> 666
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 666
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 gctttcaacg tccgggtgtt ctggccgatt ctggtgatgt acttcatcat gctcttctgt 120
 atcacgatga agaggcaaat caagcacatg attaagtacc ggtacatccc gttcacacat 180
 gggaagagaa ggtacagagg caaggaggat gccggcaagg ccttcgccag ctagaagcgg 240
 gactgaggct gcttcacgtg ttgcaagaac agttttgagc cattgttaac aatgcctttt 300
 ttcttcacat aaagtagttg attacgaggg agtcaaattt tctttttt 347

<210> 667
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 667
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 ggtattaggg ataatatcca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag cctgtgtggc atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttcagga taatcacctg agcagtgaag ccag 454

<210> 668
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 668
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 gctaaaagct tccatgaagg ggctgggaac cgacaggagc tctctcattg agatcatctg 120
 ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
 tgatctggag aaggacatta ttccggacac atctggtgac ttccgcaagc tgatgggttg 240
 cctggcaag ggtagaagag cagaggatga ctctgtcatt gattatgaac tgattgacca 300
 agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360

gatcagcatc atgaccgagc ggagcgtgcc ccacotccag aaagtatttg ataggtacaa 420
gagttacagc ccttatgaca tgttggaag catcaggaaa gagg 464

<210> 669
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 422
<223> n = A,T,C or G

<400> 669
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tctaaccatt cttttatgtc atcaagagtt gcacagttg ggaagccttt aatataaaca 180
gatctgtttt ttacatcatt tttatactca tcagtcactt caggtagggg tttgcttgga 240
gaccttctga ttttagtttt atcttcaactg atttccatga gttctgctt ggatttgctc 300
aatgcttcca caattacatt aaagtctgtt gttagacggg tcaacctgtt gaattttatc 360
attatctcca aaggtagcca gccttcatcc agttttatct gttccttttag aaacttgctc 420
cngtggcaaa ttgaagtcgc caaataata ctcaatttga tgacagattt tggcctccag 480
ggcagccatc ttttcattat caccattttc agccattgag gc 522

<210> 670
<211> 524
<212> DNA
<213> Homo sapiens

<400> 670
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tttaattctc cgcccatatt cttgtctgat tttacggagg ttgatgtgc tactgtgtta 120
aataaccagt acttttggtt tcattccgtt actaagtact ttaaggtctt atatgtcata 180
attttattgc taacatcaaa tatttatattt attttttaga aaaataacta aacatgggca 240
aaggagatcc taagaagccg agaggcaaaa tgtcatcata tgcatttttt gtgcaaaact 300
gtcgggagga gcataagaag aagcaccagc atgcttcagt caactttctc gagttttcta 360
agaagtgtc agagaggtgg aagaccatgt ctgctaaaga gaaaggaaaa tttgaagata 420
tggcaaaagc ggacaaggcc cgttatgaaa gagaaatgaa aacctatatc cctcccaaag 480
gggagacaaa aaagaagttc aaggatccca atgcacccaa aagg 524

<210> 671
<211> 189
<212> DNA
<213> Homo sapiens

<400> 671
ctgcagatac ctccgattga ggatggtaac aattttggag tggctgtcca ggagaagggtg 60
tttgagctga tgaccagcct ccacaccaag ctagaaggct tccacactca aatctctaag 120
tatttctctg agcgtggtga tgcagtgact aaagcagcca agcagcccca tgtgggtgat 180
taccggcag 189

<210> 672
<211> 446
<212> DNA

<213> Homo sapiens

<400> 672

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ctgtgctatt gccaatgaag gtgactgcc a tcttgaggcc acgaggtggg atgtcacaga 120
cggctgtctt gacattgttg gggatccatt ccacaaagta gctgctgttc ttgttctgca 180
cgtaagcat ctgctcatcg acctccttca tggacatccg accacggaag acagcagcca 240
cggtgaggta tcggccgtgg cgggggtcac aggcagccat catgttcttg gcacgaaga 300
cctgctgggt gagttccggc actgtgagag ctcgatactg ctggcttcca cggctggtga 360
gaggggcaaa gccaggcata aagaaatgga gacgtgggaa ggggaccatg ttgactgcc 420
acttgccggag gtcagcattg agctgg 446
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<210> 673

<211> 442

<212> DNA

<213> Homo sapiens

<400> 673

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ccaaagaggt cgaagtgggt ctggaaactt tgggtggtgg cgtggagggtg gtttcgggtg 120
gaatgacaac ttcgggtcgtg gaggaaactt cagtggctcg ggtggctttg gtggcagccg 180
tgggtggtgg ggatatggtg gcagtgggga tggctataat ggatttggtg atgatggaag 240
caatttttga ggtggtggaa gctacaatga ttttggaat tacaacaatc agtcttcaaa 300
ttttggaccc atgaaggag gaaattttgg aggcagaagc tctggcccct atggcgggtg 360
aggccaatac tttgcaaaac cagcaaacca aggtggctat ggcggttcca gcagcagcag 420
tagctatggc agtggcagaa ga 442
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<210> 674

<211> 527

<212> DNA

<213> Homo sapiens

<400> 674

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aaaatgatgg ttgtttttcc gagcttcatt aacaaaaaac tctgctaaat aaaatgcgg 60
tttcacagca ttaggtgcat gggaaatgcc atccaaattc ttccactcat aagggtgcttt 120
ctctggatgc cactggacac catatactgg atacttatat ccttccattg ttgaaataaa 180
ctcaatcttg ccactctgtat ttgtagttaa gacattgaaa aacttcttta acttttcatt 240
cattgtaaaa ttcttcacgg agaggctcca cttatggaaa ttggcagtca gaggttctac 300
tgctaataac agcaacaact cagtaggaaa attctggaac attctgctgt gcaattgacc 360
tcagtggaag ttcagcggca ttgccacgtc aacagtatct gtggcaatta ataagcactc 420
tccactaatc agcagtgaag gctcttcaaa tccaaggcat gtgccccaca caggaaaata 480
gtctccatca tcaaaactct gtatggacaa gttataaaat attttg 527
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<210> 675

<211> 423

<212> DNA

<213> Homo sapiens

<400> 675

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cctacagact tattttcttct tggacacacc cacgggtgcgg ccacggcggc cagtggctctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaa 120
cttcttcagt cgtccagggt cttcacggag cttgttgtcc agaccatttg ctaggacctg 180
gctgtatctt ccactcttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcgtgga ttctgcataa tggatgatcac acgttcacc tcactctcag tgagttctcc 300
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cgccctcttg gtgagggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
 cacaccctta atggcagtga tggcaaaggc tattttccgc cgcccatcga tgttggtgtt 420
 gag 423

<210> 676
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 435, 452
 <223> n = A,T,C or G

<400> 676
 ctgcacatca aatgtacctg ggatgagggtg ggtggagctt tgaatctacc actatccagg 60
 ccacacacct agaagctctg gtttcattgt ttcatgtatt tcattgtttt gattgatgct 120
 gaccttaggc agcagagttt tcaatgctct ccagggtgtt cttaaagtga gacaagttta 180
 ggaccgtgct tgagggtgaa gggcaggact gtgatgggga ggggcaaata tggggccctt 240
 ggggtgcagg caatgggtttt ccttgacctg aatgggggtc tcacagggtgt tgcatataca 300
 tatacgtaca catgtcagct cttccctttc tccacagcat acacgtaggt gttccacggc 360
 ccacagggtga cagcctttac ttggagttgc ttatctacaa agtattccac acggcgaggc 420
 cgatccaagc tggtngtgtc ctctgtggccc an 452

<210> 677
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 677
 aaaaaatagt tcagtacatt tttgttataa aattcattta caggagggtta ttcacatgta 60
 cttgtcaaat ttactcctga taattcacia aaacatacaa ctcaacaaac tgtgcacaat 120
 aaatccaagg caaattatat acaaagaaac aaaacaagct ttttaagtagc acatattcat 180
 ttgaaataac taatattgaa agaagacagg gaactttctt ttaatgccat ggcaaagacg 240
 aagcgaagag ccacacttca caccttgtta aaagaatagc cctgttcaac aacgctgogc 300
 tgacagccac atcaggaggg gccacggtga acataggaaa tggctttggc aaatacttgt 360
 accaa 365

<210> 678
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 678
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cacagcaagc 60
 tacaaatgtg aaaccagaa cccagttagt gccaggcgca gtgattcagt catcctgaat 120
 gtccctctatg gcccggtatg cccaccatt tcccctctaa acacatctta cagatcaggg 180
 gaaaatctga acctctcttg ccacgcagcc tctaaccac ctgcacagta ctcttggttt 240
 gtcaatggga ctttccagca atccaccaa gagctcttta tcccaacat cactgtgaat 300
 aatagtggat cctacacgtg ccaagcccat aactcagaca ctggcctcaa taggaccaca 360
 gtcacgacga tcacagtcta tgcagagcca ccaaaccct tcatcaccag caacaactcc 420
 aaccccgtagg aggatgagga tgctgtagcc ttaacctgtg aacctgagat tcagaaca 478

<210> 679

<211> 437
 <212> DNA
 <213> Homo sapiens

<400> 679
 gcccggtgccg ccgcccgcctc ctgggaagag aggaagcggg agaggagccc acgtcgccctg 60
 tcaccaata tctccagccg cgcagtcccg aagagtgtaa gatgttcgcc tgcgccaagc 120
 tcgcctgcac cccctctctg atccgagctg gatccagagt tgcatacaga ccaatttctg 180
 catcagtgtt atctcgacca gaggctagta ggactggaga gggctctacg gtattttaatg 240
 gggcccagaa tgggtgtgtct cagctaatac aaaggaggtt tcagaccagt gcaatcagca 300
 gagacattga tactgtgtgc aaattttattg gtgcaggtgc tgcaacagta ggagtggctg 360
 gttctggtgc tggatttggg acagtctttg gcagccttat cattggttat gccagaaacc 420
 cttcgctgaa gcagcag 437

<210> 680
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 680
 ccagcagcca ggagggaggt aggtgatgt gatgggatgg gatcttgccc tgggttggtc 60
 tcatggtgca gaagagcagt gttggaatca ttctaattgt tcaggatgcc tcatgtgccc 120
 catggagctc agacatcagg aggtgctggg actctattta gccgttcgat gatgcgggtg 180
 ttgtccagga ggtcagatgc cagcagcttc atccccctgc agagctcttg catgtggaga 240
 agcaggtcct ttcgtgtagg gctggggtaa ggagctatgg gaggcggcga gg 292

<210> 681
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 681
 ccttgaccgc gtacttccgc agcgggtaca gccgctcctt ccgtctgtgc ttcttggtct 60
 tcaggttctc ctctgtcttg ttgagccggc ggcgcattgg acgtgtcttc ttaggccgca 120
 ggtccagggg cttgtacttc ttgcccttgt agaatttctt gaggttttct ttctgagtct 180
 ggttaataac tgtgagaaca cgggcaatgg atttccggac gactcggatc ttagagagct 240
 tggaggccgc accgcctgtc actttggcga cgcgcag 277

<210> 682
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 682
 ccactcctgc tgtatctaca cctaccagtc actgaacacc tgcccaagtg tgatggcttc 60
 catgcaggag acccaagtgg ctctgctagg gagaatgact tatttaccta aggtttttt 120
 atttctcaaa agtgggggga aaaagggtct gtttctagaa acagatgttg aattgaagaa 180
 tgtcccaggg agctaagttt taaggactaa tcacaaactt gtttctccaa caacatcctg 240
 aatccattcc ttgcaccatc acacattttt catgcatcag aagtgtttct agagctccag 300
 aaccacgagt acctcatcac gtctgagcgt ctcacatccc ccagcaagcc gcctgcacca 360
 gg 362

<210> 683
 <211> 435

<212> DNA
<213> Homo sapiens

<400> 683
atcagttgcc aagagcaaca tacataccga cctggctgaa ttattgccag tgaaaacaac 60
ctgtacgaag cctttgctca ggttctaaaa tatgtttgtc cttgcacgaa ttttgtatat 120
ttcaaataatt tctgtaaagg tttcttcttt tctgttagag tgtgggtgta agccagagtc 180
agtggtttgt gttctcatta aaatgtttgt ttaaataccta tgtccaattc aagcctatct 240
aactacattt ggtaggatta acatttcata taacaaatgg ggcttaatta aaaactttaa 300
cttggaataa aggaacaggg atcactttat cttctgcctt catttacctt agtccaagat 360
tcttgcaaaa caggcaactg aacaaacatt aggtttatgt aggtaaaatg tgaaagcatt 420
tctcctccac ttttt 435

<210> 684
<211> 387
<212> DNA
<213> Homo sapiens

<400> 684
attggattgc cacacggctc acattgcatg caagtttgct gagctgaagg aaaagattga 60
tcgccgttct ggaaaaaagc tggaagatgg ccctaaattc ttgaagtctg gtgatgctgc 120
cattgttgat atggttcctg gcaagcccat gtgtgttgag agcttctcag actatccacc 180
tttgggtcgc tttgctgttc gtgatatgag acagacagtt gcggtgggtg tcatcaaagc 240
agtggacaag aaggctgctg gagctggcaa ggtcaccaag tctgcccaga aagctcagaa 300
ggctaaatga atattatccc taatacctgc caccctactc ttaatcagtg gtggaagaac 360
ggtctcagaa ctgtttgttt caattgg 387

<210> 685
<211> 308
<212> DNA
<213> Homo sapiens

<400> 685
cctcagttag tgagtcaagc tgtgatgtgt gtgtctgaac acaactggct cccttggtat 60
accgggggct ccctctccag atgggtgtga gtgcatggtc ctactgtaca cacaggtctc 120
agtatctata tgtgtctcat ttgttcccat gggctctctgt gtttggatac ataagcatgg 180
atatccctgc tcatacagca ggaactcagg atctgcatgg tgtatgtccc tgtctgtaaa 240
catgggctcc agcaagtgga tatgtgcggg cctgcccgtc cctgtccatc cgcaggtctt 300
ccttcagg 308

<210> 686
<211> 500
<212> DNA
<213> Homo sapiens

<400> 686
gtattttattt gtcttttctc tgtcaaacc c tgagccaacc acgttcccca ggctgcctgg 60
ggaggtatag gaaaaggaac acacggggcc aaccagacgc gggagaacta tgggaggtgg 120
agacggctcc ttcacatggc aaagaggatg agaaaggcta ccatcagaca aaagagcccc 180
atggcctccg agagggcaaa gccagagaatg gcgtaggaga agagctgttg cttcagagaa 240
gggttcctgg catagccaat gatgaggctc ccaaacacag ttccaatccc agccccagaa 300
ccagccaccc caactgtggc agccccagct ccaatgaact tggctgctgt gtcgatgtcc 360
cttgaaatgg cgctggtttg gaagctgcgg ctagagacaa gtgaggttaag gggacatgag 420
actgccaagc tgcctgaggct ctcatctgtc agtatctccg gtcgtttcag caccactgca 480

gatagcggac ggctcagcag

500

<210> 687

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 555

<223> n = A,T,C or G

<400> 687

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tcgggaggct gaggcaggag aatcgcttga acccgggagg tggagattgc agtgagccca 120
gatcgcacca ctgcactcca gtctggcaac agagcaagac tccatctcaa aaagaaaaga 180
aaagaagact ctgacctgta ctcttgaata caagtttctg ataccactgc actgtctgag 240
aattttccaaa actttaatga actaactgac agcttcatga aactgtccac caagatcaag 300
cagagaaaat aattaatttc atgggactaa atgaactaat gaggataata ttttcataat 360
tttttatttg aaattttgct gattctttaa atgtcttggt tcccagattt caggaaactt 420
tttttctttt aagctatcca cagcttacag caatttgata aaatataact ttgtgaacaa 480
aaattgagac atttacattt tctccctatg tggtcgctcc agacttggga aactattcat 540
gaatatttat attgnatg                                     558
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<210> 688

<211> 493

<212> DNA

<213> Homo sapiens

<400> 688

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aaaaaaaggc ccccagggca agttattttac agtttaattg ccactgtcaa ctgatctgga 60
ccttgatcgg gaccgggacc tctggcgatc cacagatgct ggagacttag atctacttga 120
agaaccacgt ttctggctct tctcaggcac gggagacctt ctaacagaac gggacttgct 180
ccggctccgg ctctgtctcc tgcttcttga ccggctgtaa gatttgcgac tacgggaacg 240
ggatcggcta cgagacctag aggaacttct ggtccgggat cgagacctgc ttcttgacct 300
actgtgcctt ttgtgcctt caattaattt tatttttctc ccatttattt cctttccaga 360
aagtttttca atagcattct ttaagtacc ataagaggca aactcaacca ccccttcatt 420
taatttaggt cgggtgtgcat ccgcaaactg tacttcccca gcttgtctca tgaaatcttt 480
gagatcctgc cag                                     493
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<210> 689

<211> 439

<212> DNA

<213> Homo sapiens

<400> 689

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aaacgcaaag attaccttaa gcaacacatg aaaactcatg cccagaaaag ggatgtatgt 60
cgctgtccaa gagaaggctg tggaagaacc tatacaactg tgtttaatct ccaaagccat 120
atcctctcct tccatgagga aagccaccct tttgtgtgtg aacatgctgg ctgtggcaaa 180
acatttgcaa tgaaacaaag tctcactagg catgctgttg tacatgatcc tgacaagaag 240
aaaatgaagc tcaaagtcaa aaaatctcgt gaaaaacgga gtttggcctc tcatctcagt 300
ggatatatcc ctcccaaaag gaaacaagg caaggcttat ctttgtgtca aaacggagag 360
tcaccaact gtgtggaaga caagatgctc tcgacagttg cagtacttac ccttggctaa 420
gaactgcact gctttgttt                                     439
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<210> 690
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 690
 aaactggatt gaattgcttt gtcttagatg aggctgagaa ggttgtttct gaacagaaaag 60
 taatgatgac gtccctcttt tttagtagtat gtccgtgggt cagaccctgt attaaagctt 120
 ttggacgaca atgggaacat tgctgaagaa ctgagcattc tcaaattgaa cacagacagt 180
 gtagaagaat tcctgagtga aaagttggaa cgcataataa tcttgcttaa attttgcct 240
 atccttttgt taccttatca aatgaaatat tacagcacct agaaaataat ttagttttgc 300
 ttgcttccat tgatcagtc tttacttgag gcattaaata tctaattaaa tcgtgaaatg 360
 gcagtatagt ccatgatatc taaggagttg acaagcttaa caaaacccat tttttataaa 420
 tgtccatcct cctgcatttg ttgataccac taacaaaatg ctttg 465

<210> 691
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 691
 ccacggggac tgttattcgc aagctgggtt tctagacctg ttagttggaa gcatgggtgag 60
 caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acaggtacag 120
 cagcgcttct tgtagtcgc ccttagtgct ttgctggata taatagtaca gggacttgcc 180
 gtactttctc ttgaattcag acctaatctt caacatgtcc acttcaactgc gggagaccat 240
 gattctgac aggaccttat ctgcggtccc ctggcccttc atggagtcac acagccgac 300
 agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaaag cattttccag 360
 gtctccttta acctctttcc tgatgcttcc caacatgtca taagggtgt aactcttgta 420
 cctatcaaat actttctgga ggtggggcac gctccgctcg gtcagatgc tgatccactt 480
 gggaacatca gttcctttcc tcttcaactcc agtgtcatag agatcccgag catcttggtc 540
 aatcagttca 550

<210> 692
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 14, 51, 108, 330, 339
 <223> n = A,T,C or G

<400> 692
 canatgtcct aggnccctccc aattottaga catttaatac ccatttttct nctcctttta 60
 ttcggaacct gtatcttcca tttagcttct caaatcatcc aaaaccgnat ccaggccatc 120
 accaatcatt ctatacgaca aatgtttctt ctaacatccc catgatatca ccccttacca 180
 caagacctcc cttcagctta atctctccca ctctaggctc ccacgccgcc cctaattccc 240
 cttgaagcag ccctgagaaa catcgcccat tatctctcca taccaccccc caaaaatttt 300
 cgctgcccc acacttcaac actattttgn tttatttgnc ttattaatat aagaaggcag 360
 gaatgtcagg 370

<210> 693
 <211> 520

<212> DNA
<213> Homo sapiens

<400> 693
 aaaacctgaa ttgttaccgc atcattttcc ttttcataaa aatagatata tctgttcaga 60
 atttctataa aaagctgcac ttgtagagag ggtccatgc actgatttgc tatttttaga 120
 gcttttttta ggcactccat taccctcttg cctccgtgaa gctcctcccc atttttgtcc 180
 gtgtttctgc cagaccagaa gagatgtgca caggtgctca cagctcggcc ctgatacagg 240
 ttcttttagaa gtttgatgc agcaaggga cactgagtcc tcagagggtc atgattctct 300
 tcaactgaagc acttcaccc ttcaaaagt ccaatgatca aggtgatggc agctagctgt 360
 gcttttgaat cgctgatttc atcttcatac agagaaaatg cctgggacat gaattcatat 420
 gcgactgtct catgattttc aaaaccaatt tccccagcag ctagtgtctc ttgaagaaaa 480
 agtcttaagg gcaattctgc cagctctgct ttgatcaaaag 520

<210> 694
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 694
 ctgcattgag ttagcggggg cggagtggct ctggggcagc ctgtccctaa cagaatccac 60
 ctccgagttg tgacaattaa atgaaaagg tgaagggtg aacatgaagc acctgctaca 120
 ctgccctgtt gccaccagca ttgtcactgc tctagctcct gtggcactgc acggacacgt 180
 gggttgctaca agttagtacg catatttggc cttattagag gcactttcct attgtaactg 240
 aagggatagt tggcttaagt caattgaaat accagcaaca ggacattoca gcttcaatgg 300
 cttgtgacct tagttgtcaa cctgcgcaa gaactgaggc ag 342

<210> 695
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 695
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 gcaactgaata aatgatgcaa gttgtcaatg gatgagtgat caactaatag ctctgctagt 120
 aattgattta tttttcttca ataaagttgc ataaaccaat gaggtagctg cctggattaa 180
 tcagtatggg aaacaatctt ttgtaaagtc aaagctgttt tttgtatata ctgttgggat 240
 ttgcttcatt gtttgacatc aaatgatgat gtaaagttcg aaagagtga tattttgcca 300
 tgttcagtta aagtgcacag tctgttacag gttgacacat tgcttgacct gatttatgca 360
 gaattaataa gctattttgga tagttagct ttaatgtgct gcacatgata ctggcagccc 420
 tagagttcat agatggactt ttgggaccca gcagttttga aatgtgttta tggagtttaa 480
 gaaatttatt ttccaggtgc agc 503

<210> 696
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 696
 ccagataagg ctgacttcag tgctgatgca agttcctttt tggctccttct ctggtagggc 60
 aaggcaatat cctgtctctg tgcattgctg cggttgggtca aaatgttgac aatgggtgacc 120
 tcatccacac ctttgggtct gatggctgtt tcaatgttca aagcatcccg ctcagcatca 180
 aagttagtag aggttttgac agaccatat gcacttgggg gtgtagagtg atcaccctcc 240
 aagctgagct tgcacaggat ttctgtgaaca gtagacattt tgaaggaagc tgggccgtgc 300

325

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<400> 700
tttttgcact  ttttttataa  gcaaaaacgt  gccgttttaa  cacttgatc  tatctaaatg  60
ccgatttgag  ttgcgcacac  tatagtactgc  gtttttcatt  ctgtatttg  actatttaat  120
cctttctact  tgtcgtctaa  tataattggt  ttagtcttat  ggcattgatga  tagcatatgt  180
gttcagggttt  atagctgttg  tqttt
                                         205

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<210> 701
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 701
 ctggtagctg gtgttgcatc caagaagact ttctcttacg ctggggttga aatgcaaccc 60
 aaaaagtacc acaatcccaa gattgccctt ttgaatgtcg agctcgagtt gaaagctgag 120
 aaagacaatg ctgagataag agtccacaca gttgaggatt atcaggcaat tgttgatgct 180
 gagtggaaaca ttctctatga caagttagag aagatccatc attctggagc caaagttgtc 240
 ttgtccaaac tccccattgg ggatgtgg 268

<210> 702
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 523
 <223> n = A,T,C or G

<400> 702
 cacgcatctt tccaagaagg caggcgagat ctggaagggg atgtccaaag agaagaaaga 60
 ggagtgggat cgcaaggctg aggatgccag gagggactat gaaaaagcca tgaaagaata 120
 tgaagggggc cgaggcgagt cttctaagag ggacaagtca aagaagaaga agaaagtaaa 180
 ggtaaagatg gaaaagaaat ccacgccctc taggggctca tcatccaagt cgtcctcaag 240
 gcagctaagc gagagcttca agagcaaaga gtttgtgtct agtgatgaga gctcttcggg 300
 agagaacaag agcaaaaaga agaggaggag gagcgaggac tctgaagaag aagaactagc 360
 cagtactccc ccagctcag aggaactcagc gtcaggatcc gatgagtaga aacggaggaa 420
 ggttctcttt gcgcttgcc tctcacaccc ccgactccc caccatatt ttggtaccag 480
 tttctctca tgaaatgcag tccctggatt ctgtgccatc tgnacatgct ctctgttgg 540
 tgtg 544

<210> 703
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 703
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 attgctgggt ttagctctca gcagcccgct cctgagctct gaggaagctt gccttctttt 120
 gagctacccg atccttcttc tgagcaaggg acattttggg acggttccac ctcttctttt 180
 taacttcttt cttgggcttc ttttcataga ctggattctc tcgtatagca gcatgagctt 240
 tcttatacat ctctccatc atgtctggag ttaagctgtt ctttatgtat tgagagaact 300
 gtttcttgta agcatcttca tcttcttcca ttaagtagcg catgtaatct gcaacattct 360
 ggcccatgat gtgcttccga tgaactcttg cattaaattc c 401

<210> 704
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 704
 aaaagacaaa aacaaaaacaa aaataaccaca gctcaagata aagagtccta tacagaaatc 60
 acaaaaagga cagaccatct aaggaaaaat taaaaagacg acacaaggac aggctgggca 120
 gcctgggtca gggctcctgg ctggtgacct gctttgagta ggtttcttgc aggtacttct 180
 taaaagctgt ggggtttttc cagagctcgg cagcatgtgt g 221

<210> 705
 <211> 568
 <212> DNA
 <213> Homo sapiens

<400> 705
 ccaggctggg cttgaactcc tgacgtcaag tgatctgcoo gccttgggtc cccaatacag 60
 gcatgaacca ctgcacccac ctacttagat atttcatgtg ctatagacat tagagagatt 120
 tttcattttt ccatgacatt tttcctctct gcaaatggct tagctacttg tgtttttccc 180
 ttttggggca agacagactc attaaatatt ctgtacattt tttctttatc aaggagatat 240
 atcagtgttg tctcatagaa ctgcctggat tccatttatg ttttttctga ttccatcctg 300
 tgtcccttc atccttgact cctttgggtat ttcactgaat ttcaaacatt tgtcagagaa 360
 gaaaaaagtg aggactcagg aaaaataaat aaataaaaga acagcctttt cccttagtat 420
 taacagaaat gtttctgtgt cattaacccat ctttaaatcaa tgtgacatgt tgctcttttg 480
 ctgaaattct tcaacttgga aatgacacag acccacagaa ggtgttcaaa cacaacctac 540
 tctgcaaacc ttggtaaagg aaccagtc 568

<210> 706
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 153
 <223> n = A,T,C or G

<400> 706
 cctcctgggc actctgtccc tgcactccat gtatagtcct cttggggttg ggggtggggg 60
 gtgccgttgg tgggagagac aaaaagaggg agagtgtgct ttttgtacag taataaaaaa 120
 taagtattgg gaagcaggct tttttccctt canggcctct gctttcctcc cgtccagatc 180
 cttgcaggga gcttggaaac ttagtgacac tacttcagtt cagaacactt agcaccacac 240
 tgactccact gacaattgac taaaagatgc aggtgctcgt atctcgacat tcattcccac 300
 cccctcttta ttt 313

<210> 707
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 707
 ccagcgagca catgaagcgg ttcttcgtga actttgtggt tgggcaggat ccgggctcag 60
 acgtgcctt ccacttcaat ccgcggtttg acggctggga caaggtgggc ttcaacacgt 120
 tgcagggcgg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg 180
 ccgcctttga gctggtcttc atagtctctg ctgagcacta caaggtgggtg gtaaatggaa 240
 atcccttcta tgagtatggg caccggcttc ccctacagat ggtcaccacac ctgcaagtgg 300
 atgggggatc gcaacttcaa tcaatcaact tcatoggagg ccagcccctc cggccccagg 360
 gacccccgat gatgccacct taccctgggc ccggacattg ccatcaacag 410

<210> 708
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 708
 ctgctgcccc tgctggtgcc attgccccat gtgaagtcac tgtgccagcc cagaacactg 60
 gtctcggggc cgagaagacc tcctttttcc aggccttagg taccaccact aaaatctcca 120
 ggggcaccat tgaaatcctg agtgatgtgc agctgatcaa gactggagac aaagtgggag 180
 ccagcgaagc cacgctgctg aacatgctca acatctcccc cttctccttt gggctggtca 240
 tccagcaggt gttcgacaat ggcagcatct acaaccctga agtgcttgat atcacagagg 300
 aaactctgca ttctcgcttc ctggaggggtg tccgcaatgt tgccagtgtc tgtctgcaga 360
 ttggtacccc aactgttgca tcagtacccc attctatcat caacgggtac aaacgagtcc 420
 tggccttgctc tgtggagacg gattacacct tcccacttgc tgaaaaggtc aagg 474

<210> 709
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 709
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 agcattgaag gcacctggga aatgaggccc acagactcaa agttactctc cttcccccta 120
 cctggggccag tgaaatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac 180
 ttagggcaag agccaggtat agtctccctt cccagaattt gtaactgaga agatcttttc 240
 tttttccttt ttttggtaac aagacttaga aggagggccc aggcactttc tgtttgaacc 300
 cctgtcatga tcacagtgtc agagacgcgt cctctttctt ggggaagttg aggagtgcc 360
 ttcagagcca gtagcaggca ggggtgggta ggcaccctcc ttctgtttt tatctaataa 420
 aatgctaacc tgcaaaaaaa aa 442

<210> 710
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 486
 <223> n = A,T,C or G

<400> 710
 cgctcccccc tccccccgag cgccgctccg gctgcaccgc gctcgctccg agtttcaggc 60
 tcgtgctaag ctagcgccgt cgctgtctcc cttoagtgcg catcatgatt atctaccggg 120
 acctcatcag ccacgatgag atgttctccg acatctacaa gatccgggag atcgcgagac 180
 gggttggtcct ggaggtggag gggaagatgg tcagtaggac agaaggtaac attgatgact 240
 cgctcatttg tggaatgcc tccgctgaag gccccgaggg cgaaggtaac gaaagcacag 300
 taatcactgg tgtcgatatt gtcatgaacc atcacctgca ggaaacaagt ttcacaaaag 360
 aagcctacaa gaagtacatc aaagattaca tgaaatcaat caaagggaaa cttgaagaac 420
 agagaccaga aagagtaaaa ccttttatga caggggctgc agaacaaatc aagcacatcc 480
 ttgctnattt caaaaactac cagttcttta ttggtgaaac atgaatccag atggc 535

<210> 711
 <211> 332

<212> DNA
<213> Homo sapiens

<400> 711
cctggatgtg gctcttcgca ctgaaggcca agtagtagat cacaaggcog atcgccgcag 60
ccagcacctc agtggacacc cagggcccgt tccaagtgcc ccgatgggcc acgctgactg 120
taaacagagg cgggatgatg gaaatgtcct cggtattcct ctgagccttc ctgaggaggc 180
tgtaggactc ctcgtcgaag aatctaacct cgtagggtgcc tgcgtgggcg ctcttgtggt 240
ccaggctcca ggacacctga taacgccccg catcctggcc tcgagtgaca gggaattggt 300
ttccaccgac gtcagcatag agagccatgt tc 332

<210> 712
<211> 481
<212> DNA
<213> Homo sapiens

<400> 712
ctgaagaaaa aagcagtcac cgattttaag tccaatgggc acatttatga caatcggata 60
gttctgaatg gcatcgacct caaagcattt cttgatagtc taccagatgt gaaaattgtc 120
aagatgaagt gtcctgatgg aggagacaat gcagatagca gtaacacagc tcttaatatg 180
cctgtttattc ctatgaatac tattgcagaa gcagttattg aaatgattaa ccgaggacag 240
attcaataaa caattaatgg attcagtatt agcaatggac tggcaactac tcagatcaac 300
aataaggctg caactggaga ggaggttccc cgtaccatta ttgtaaccac ccgtttctcag 360
tacgggttac cagaagatgc catcgtatac tgtaacttta atcagttgta taaaattgac 420
ccttctactt tgcagatgtg ggcaaacatt ctgaagcgtg ttcccaatag tgtactctgg 480
c 481

<210> 713
<211> 129
<212> DNA
<213> Homo sapiens

<400> 713
caacagcgag caccttcctg ctccgtgact gttcttggcc cctctagcag tcctcagatc 60
tttagatcgg ccttcgcagg gtcagcagaa caggcagccg tgaaggtgag gggcatggag 120
gaatctggt 129

<210> 714
<211> 471
<212> DNA
<213> Homo sapiens

<400> 714
ctgacattcc tgccttctta tattaataag acaataaaaa caaaatagtg ttgaagtgtt 60
ggggcagcga aaatttttgg ggggtggtat ggagagataa tgggcgatgt ttctcagggc 120
tgcttcaagc gggattaggg gcggcggtggg agcctagagt gggagagatt aagctgaagg 180
gaggtcttgt ggtaaggggt gatatcatgg ggatgttaga agaaacattt gtcgtataga 240
atgattgggtg atggcctgga tacggttttg gatgatttga gaagctaaat ggaagatgca 300
aggtccgaat aaaaggagga gaaaaatggg tattaaatgt ctaagaattg ggaggaccta 360
ggacatttga ttagagagtg cctaaggaga ttcagcatag tcctgccagc aaagattatt 420
tacttcaaga gttaagagtg gcagtttggg gatagcacca ggagatatca g 471

<210> 715
<211> 454

<212> DNA
<213> Homo sapiens

<400> 715
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataage gccggctatg 60
cccctgtatt ggattgccac acggtccaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttcttgt aaaaagctgg aagatggccc taaattcttg aagtctgggtg 180
atgctgccat tggtgatatg gttcctggca agcccatgtg tggtgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgag gtgggcgtca 300
tcaaagcagt ggacaagaag gctgctggag ctggcaaggt caccaagtct gccagaaaag 360
ctcagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
gaagaacggg ctcagaactg tttgtttcaa ttgg 454

<210> 716
<211> 300
<212> DNA
<213> Homo sapiens

<400> 716
caggtcctgg gctcgcttgg accacaagtt tgacctgatg tatgccaaagc gtgcctttgt 60
tcactgggtac gtgggtgagg ggatggagga aggcgagttt tcagaggccc gtgaggacat 120
ggctgccctt gagaaggatt atgaggaggt tggagcagat agtgctgacg gagaggatga 180
gggtgaagag tattaacctg tgtgctgtac ttttactctc ctttgtcttg gaactgtctt 240
atTTTTgttc tgtaaattgtc tattgccgta aattgttaat aaaattgatg tttccatttt 300

<210> 717
<211> 575
<212> DNA
<213> Homo sapiens

<400> 717
aaaatcatat ccagcacaaa aactatTTTct ggctgaatag cacagaaaag tattttaacc 60
tacctgtaga gatcctcgtc atggaaaggt gccaaactgt tttgaatgga aggacaagta 120
agagtgaggc cacagttccc accacacgag ggcttttgta ttgttctact ttttcagccc 180
tttactttct ggctgaagca tccccttgga gtgccatgta taagttgggc tattagagtt 240
catggaacat agaacaacca tgaatgagtg gtatgatccg tgcttaatga tcaagtgtta 300
cttatctaata aatcctctag aaagaaccct gttagatctt ggtttgtgat aaaaatataa 360
agacagaaga catgaggaaa aacaaaaggt ttgaggaaat caggcatatg actttatact 420
taacatcaga tcttttctat aatatcctac tactttgggt ttcctagctc cataccacac 480
acctaaacct gtattatgaa ttacatatta caaagtcata aatgtgccat atggatatac 540
agtacattct agttgggaat cgtttactct gctag 575

<210> 718
<211> 483
<212> DNA
<213> Homo sapiens

<400> 718
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggtcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcatact gtgctgccaa 120
agctgggtcc atgacaactt ctggtggggc gagagcaggc atggcaacaa attccaagtt 180
agggctctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg tggaagacaa tggatttcgc 300

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cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagtaa ctctcgatgt 420
tacatcaaac attatgatgg cacactgggc ttggatataa tagccatctc tcagtcacc 480
gaa 483

```

```

<210> 719
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<400> 719
aaaaaaactg gcttgga aaaacacaaa aaatttaagt gacaacaaat cttgattaac 60
tagtccatct tcctaccaca catgattata ctctaagtga gatattctgg ttgaatttct 120
tccaaccaag tttgaagggc ccagtagaa aatcaagtgt taatacttct agatttttat 180
tgtccaaaac tgttgacaaa gaaaagctaa cttcaacata acttgtttct ggctatacaa 240
agacctatct caggtgctac agatactgaa aataggagta ttttacttat ttctcaagag 300
acagacttat gccatctaag aaaatgaatt cagttttt 338

```

```

<210> 720
<211> 485
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> 474
<223> n = A,T,C or G

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```

<400> 720
aaaatgcact gggaggga aaacgaaatt aacaatctac tattccctaa tatatatggc 60
ttggcaccca gagaaagcct ctacccccga aagagaacttt ctacataggg ttaagcttca 120
ttaaatgagg tgcaaccttt cattttcagg gcactctctt tcttgcaagg tcttttagagg 180
cagaagttcc acttggtatc taatacacat ctctgtgagc tcagtttctt gaaaatatac 240
acctactggg ttctaggttc tcccttacca gtgactgtat tcattatttc acagccacca 300
gaatcggaca tacactatta acatgatgaa aaatacagct actgctgcaa gtttggcata 360
agtggaacgc atgttcaagt acttcgcctc ctggcggtat ttcttgga gactggacaa 420
attgttagcc tttgaatcca atgctgagag tgcttctcct cgtttgtaaca cttnttcaat 480
attgg 485

```

```

<210> 721
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<400> 721
aaaacaagca aattttatta aaggaaaatt ttgcaggttt aaggtttgca ggtgaaattt 60
tgtaggtgaa aaggtttact ttaccaccgt ctgttctggc atgtttctaa tgatgtcaga 120
gtcacctgga tcaatgatag ccagtgtgca cactctgtag tattttccgc atgctgtgcc 180
cagttcaata ttattgccac ttagtgatg gacaccagtt ttagccaaca tagcatagta 240
ctctatttca gatttcctca aagctgggca gttgttagcg agaataacca atttcgcttt 300
gccttgctctg atcatcttca gagtctgctt gtaccccagg acgtacttcc cacttttcat 360
aacgagttgg agcctagagt tgatcgactc cagcgacttt ttctgtctct ttgcggccac 420
catcttcctg ccttaggagc gg 442

```

<210> 722
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 722
 ggccgataacc tcaccgtggc tgctgtcttc cgtggtcgga tgtccatgaa ggaggtcgat 60
 gagcagatgc ttaacgtgca gaacaagaac agcagctact ttgtggaatg gatccccaac 120
 aatgtcaaga cagccgtctg tgacatccca cctcgtggcc tcaagatggc agtcaccttc 180
 attggcaata gcacagccat ccaggagctc ttcaagcgca tctcggagca gttcactgcc 240
 atgttccgcc ggaagg 256

<210> 723
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 723
 ctgaagccgt ggatacagaa atctctgcag gcaagttgct ccagagcata ttgcaggaca 60
 agcctgtaac gaatagttaa attcacggca tctggattcc taatcctttt ccgaaatggc 120
 aggtgtgagt gcctgtataa aatattctat gtttaccttc aacttcttgt tctggctatg 180
 tggatcttgc atcctagcat tagcaatatg ggtacgagta agca 224

<210> 724
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 724
 aaaaattatc atcaagacat tttacaccac aagtcacata aaattaggtc tacttcagcc 60
 agataaccta tagctgttaa agaattatat tatcctgttc ataagatgag aggtagtgc 120
 atttttattct ctcaatgctg agctaaaaat tccacacatc tggcacatgg gttacaagg 180
 ggaaaagcac agaagcacca ttgccactc ctcaggtttt ggtatttcaa gtcaccata 240
 acttcatttg ctattggcag 260

<210> 725
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 725
 aaaaaacaaa caggttgaaa aatgggttaa agtaggcaaa tacaacatat ctgccttttag 60
 agctatcaac tcaggaattc tctcaattat gaaatcttgc agagaagtta tttttctttc 120
 tcaaaatcca ggtgatgaca atattcctta ctccagatct ggcatttttt catcatcaact 180
 gtcttgtgaa tcatca 196

<210> 726
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 726
 gacggcttga gggctgtcaa aaatgctatt gatgatggct gtgtggttcc aggtgctggt 60
 gccgtggaag tggcaatggc agaagccctg attaaacata agcccagtgt aaagggcagg 120

```

gcacagcttg gagtccaagc atttgctgat gcattgctca ttattcccaa ggttcttgct 180
cagaactctg gttttgacct tcaggaaaca ttagttaaaa ttcaagcaga acattcagaa 240
tcaggtcagc ttgtgggtgt ggacctgaac acaggtgagc caatgggtggc agcagaagta 300
ggcgtatggg ataactattg tgtaaagaaa cagcttcttc actcctgcac tgtgattgcc 360
accaacattc tcttggttga tgagatcatg cgagctggaa tgtcttctct gaaagggttga 420
attgaagctt cctctgtatc tgaatcttga agactgcaaa gtgatcctga ggattacag 479

```

```

<210> 727
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<400> 727
aaaattaatc ttgcttcatt gttacatgta atatatttca gacattttca ctggaagatt 60
tatgaacaga aatattgggt gaaagttaga gattttacia aatgctgaca aaaatatttt 120
cctagcatca gtagatttct ggcataatgt tctgctagct atatatttag gaaattcaaa 180
gcataaaaact ttggcaacat cttggctgtt ctagacacag tgtacttgct aaccctctc 240
aggtaccttt tcttgggatg cttatttagaa gccaaagtaa gtgcttaagg tttgttttca 300
ttaaattagc tatttctgct cccctgttca aagatgcatt ttgagtgttt atagatcact 360
gccctttttg aaatcacct 379

```

```

<210> 728
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<400> 728
aaattttctga acttcttcaa tacaaattaa aatagtactg gagtcttttg ggaggccaat 60
agctagcagc tacattaatt ggtgtagagg agcctcctta tcgataacca ggtccagggt 120
gggtatagcc ctgaccaaag ggaggacggt tacgcgcata aggattaggc ccacttggag 180
gaggggtcat ggtacttcca ggaagtgaag taaaacctgg tcttgggttga taggccccag 240
gttggcttgg agccattcca ggttgagagg caggagccac agtataatta gtaggctgag 300
aagtttgggc agtgtaagtt tgtgcaggat aattgctcgc ctggtactgc tgtggcggct 360
gagcaggcag ttgttgaggc tgaccagaaa aggcaggagc tgggtgcctgg gaagttgggt 420
gctgg 425

```

```

<210> 729
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 431
<223> n = A,T,C or G

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```

<400> 729
caactggatg gaagactcgg acgtggaaga tctgactaaa gagaccctgc acaagcagta 60
ccacctggta aaatcgaca ccaacaccag ccacgtcatg cagtatggaa acaaaacaat 120
ctccaccatg aaagtgatgc agtttcaggg tatgaagcgc aaagccagtt ctcccgctcc 180
cctacctcca gtcacacacc ttgacctcac cccagccct gatgtgcctc tcaccatcat 240
gaaaaggaaa ctgatgaaca ccaatgatct ggaggagtcc aggcagctca cggaggagat 300
ccagcggcat ctggatgcca ggcacctcat tgagaagtca gtgcgtaaga tcgtctcctt 360
gctggcagcg tccgaggctg aggtggagca gtcctgtcc gagagagccc cgctcacggg 420

```


gcacagtttt ntacaagctt tt

442

<210> 730

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 450

<223> n = A,T,C or G

<400> 730

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ctgggctgat gaaacggatg acctggaagg agatgtttcg accacttggc acagtaacga 60
tgacgatgtg tataggggcg ctccaattga ccgttccatc ctcccactg ctccacgggc 120
tgctcgggaa cccaatatcg accggagccg tcttcccaaa tgcgccacct aactgcttt 180
tctaggaaac ctaccctatg atgttacaga agagtcaatt aagggaattct ttcgaggatt 240
aaatatcagt gcagtgcgtt taccacgtga acccagcaat ccagagaggt tgaaagggtt 300
tggttatgct gaatttgagg acctggattc cctgctcagt gccctgagtc tcaatgaaga 360
gtctctaggt aacaggagaa ttcgagtgga cgttgctgat caagcacagg ataaagacag 420
ggatgatcgt tcttttggcc gtgatagaan tcgggattct ggcaaaacag atacagactg 480
gagggctcgt cctgctacag acagc 505
```

<210> 731

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 347

<223> n = A,T,C or G

<400> 731

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cctggggctt ctgtcgtcga ggagttcagg ggtggacgca gaaatggggg aaggagagtg 60
gctacgtaga gagtgagagc gagattccta aaaagatgca cagagagacc ctacagagag 120
ccaagaaaga tggtagagag gtagggaagg agagggaggg agagagagag agagaagcag 180
agggaaatgg ttgcaactggc tgaggatggt ggaggagccg tctcactccc ttctaatagt 240
ctatagatca ataacgaggg aagaaaggag gacagggagc tgatggaaac acagcttgcc 300
aactgccaaag ggaagaaggt agggctggac tccctgctgt ggccanccc ttgttagggg 360
ttggtctctc actgcagcca gacaggatga tcctgggttc tggggagggg taagctgccc 420
cttgccagat tctgcaccga ataaagagtc caaaccgcgt gct 463
```

<210> 732

<211> 459

<212> DNA

<213> Homo sapiens

<400> 732

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ctgacatgga tgtggggcag ataggctttc acaggcagaa ggatgtaaaa attgtgacag 60
tggaagaaga agtaaatgag atcctgaacc gattagaaaa gaccaaagtc gagcggttcc 120
cagacctagc agcagagaaa gaatgcagag atcgtgaaga gaggaatgag aaaaaagccc 180
aaattcagga aatgaaaaag agagaaaaag aagaaatgaa gaagaagagg gaaatggatg 240
aacttaggag ctattcatca ctaatgaaag ttgaaaatat gtcttcaaat caggatggca 300
```

atgattcaga tgaattcatg taaaaggaga aaaggagaaa aggacctttg aaagatgtga 360
 atgtagagac aattgcagac cttttggttt catctgtgtt ctgaagcata aaatacaacc 420
 aaaattctac cttcatccta cccagaaatt attgattttt 459

<210> 733
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 733
 cctttactta ttcagtgaag gtgtctatatt agactaagag gtatttttagt ttcctgactc 60
 gggcatgttg agtaaagcta atttgccagt cctgggtggg ggcaaatcct cgagcttgat 120
 gtgtagggaa gggagggggc ctgaataatc cctgaggagt agtagaatag cagatggaac 180
 actgagaagt tatttccttg aggatagatt tccacgatgg aaaggaaatg agaggttctg 240
 agaggcgggc tagtggcttg tactatagca taacctgccg ttgctggtgt gtggcgatta 300
 gg 302

<210> 734
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 734
 ccatgaaagg acaagtatgg agatgaaagc tatcacactg agaatagtgg gatgtagata 60
 gaaagcacct gaattgtgct tctgaattaa ccaatccagg aactgcttta cctttggact 120
 ttttgttatg tgagatatc tttatatgtt tccatttgct ttgggtatat gtatattgtt 180
 acttgtagcc aaaaagaaac ctctcttagt agaaacaaag ggagagttag gttattcaaa 240
 aattagtatg ggacaattga atatgccttt ttctgcgga gtaggtgggg agaaacttaa 300
 aggttcactt gtaaaacaat aaagtactaa agaaaaaaaa aaa 343

<210> 735
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 735
 gacaggggga gggagagcat ctggacaaat acctaattga tgaggggcaa aactttttgt 60
 attattgttt gttttgtggt cagttcaaag tcttaaccag ttttattgtc aaataaacta 120
 taaatgttat gggggagatc ttataaattt cctgggcaag agtgtatgca tacaaaagttt 180
 tcaacttttg gaaatgtaat ttttctgttt ttgcaaaggg atgaggtgat tggaaattgct 240
 ttgaccatgc tgcctttatt ctcaaactgg caaacttagc atgttaggtg tattaacctc 300
 atcagtcttg aagaacatgt ggctcatgag tataacactt ctgtagagga ctccctgaca 360
 aaagtgaaga attaacttct cctccagaac aagtgaatt cagaaggcag ctctgcattc 420
 taccttgctt gactggaatt gtctgaagct ttttctggcc tcttttctct agtcggccac 480
 cctgaagtgt ctgaggtcta agtggtttac ctctgctga tagatgg 527

<210> 736
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 736
 ctgctgtgct acaacgtcgg tcagaaaatg aagagtttgt tgaagtggga agattggggc 60
 cttctgatta ttttggtgaa attgcactac tgatgaatcg tctctgtgct gccacagttg 120

```

ttgctcgtgg ccccttgaag tgcgttaagc tggaccgacc tagatttgaa cgtgttcttg 180
gcccattgctc agacatcctc aaacgaaaca tccagcagta caacagtttt gtgtcactgt 240
ctgtctgaaa tctgcctcct gtgcctccct tttctcctct ccccaatcca tgcttcactc 300
atgcaaactg ctttattttc cctaacttga gcgccaagtg g 341

```

<210> 737
 <211> 456
 <212> DNA
 <213> Homo sapiens

```

<400> 737
aaaataaata aagaaaaaatc ttgtttcctt tggcatcttt agaaaataaa ctacagcaat 60
aaaaagaggt gattgtataa agacatgcgt aagcaaacat atggggaaaa aacagcaact 120
tgtgtttagt atgtaataat atcagctata agagtttact gttaattagg aaagccttac 180
aaatttttgg aagaaccttc acatctttta cattacaata tatttaataa tggttctttt 240
attgcttcta gtatcaagat tattgagaag tcaaatgaag ttatgctgac gttatgattc 300
aaaaattatc ttccaaacat ttaacgatta taatttaaga taaataacac ttaaagaaaag 360
caaacctttt ataatatgac tttcaatata cagccttact ttaattcagt ctgattccat 420
tacatttttg ttattttgta ttggtcctaa aaattt 456

```

<210> 738
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 469
 <223> n = A,T,C or G

```

<400> 738
aaacaaacag aagattgttt ttccacatag catggattct ggagatgggt ggctaattgt 60
attggttcaa caactccacg gaggtagggg tcacgtcttg gatccttttg ccttaatctc 120
agtgtctggt acttcatggt cccaagatgg ctgctgtatc cccaagaatc atgtctgcgt 180
tcaaggaagg aggggtggag gaagaggaag ggccaaacta gctggaccg tcaccttcta 240
tcagaaagta aaacctcgtc agaagtctgt ttctgtctct ctccctctgc atatcttcac 300
ttagatgccc ttggcccgag ccagctacca ttgcacctct agctgcaaac aaagctaaga 360
cagcagggaa cagaattgtc atggctgaat agaccaatcg tgttccatct actgagactg 420
gcacactgcc tcttgaata aaactgggat ccattacca agagagaang cagaattgtg 480
t 481

```

<210> 739
 <211> 192
 <212> DNA
 <213> Homo sapiens

```

<400> 739
ccttgaaggg acctcagagc aaaggaagag acctgggtgt ggtgaggcat cccagggcat 60
ggaagggacc ggttgtgctg tgggaatcca ctggcccctc cttggttaaa aaagcacaac 120
acatcataca tatttaccag accagaagcg ctggcccaa gtctccctaa cctggtcggg 180
ggaacctcct gg 192

```

<210> 740
 <211> 456

<213> Homo sapiens

taggtgcctt	attggtttat	gacattgcta	aacatctcac	atatgaaaaat	gtagagcgat	60
ggctgaaaaga	actgagagat	catgctgata	gtaacattgt	tatcatgctt	gtgggcaata	120
agagtgatct	acgtcatctc	agggcagttc	ctacagatga	agcaagagct	tttgcaaaa	180
agaatggttt	gtcatttcatt	gaaacttcgg	cctagactc	tacaaatgta	gaagctgctt	240
ttcagacaat	tttaacagag	atttaccgca	ttgtttctca	gaagcaaattg	tcagacagac	300
gcgaaaatga	catgtctcca	agcaacaatg	tggttcttat	tcatgttcca	ccaaccactg	360
aaaacaagcc	aaagggtcag	tgctgtcaga	acatctaagg	catttctctt	ctcccctaga	420
aggctgtgta	tagtccattt	cccagggtctg	agattt			456

<211> 315

<213> Homo sapiens

ccagataaagg	ctgacttcag	tgctgatgca	agttcctttt	tggtccttct	ctggtaggcg	60
aaggcaatat	cctgtctctg	tgcattgctg	cggttggtca	aaatgttgac	aatgggtgacc	120
tcattccacac	ctttggtctt	gatggctgtt	tcaatgttca	aagcatcccg	ctcagcatca	180
aagtttagtat	aggcttttgac	agacccatat	gcacttgggg	gtgtagagtg	atcacccctcc	240
acgtgagct	tgccacaggat	ttcgtgaaca	gtagacattt	tgaaggaagc	tgggccctgtc	300
gccgagagct	gagag					315

<211> 147

<213> Homo sapiens

<221> misc feature

$\langle 223 \rangle$ n = A, T, C or G

```
caagacctca ggcataagagt tcaagggcct tgcccaacgggt ttcagagcta gttcatattc 60
aaaagaaata aagaaaacag tgacttatcc cgctacccaa gcgtgtanag ccgcgcgcgtg 120
tactgcttcc gatatgtgcc ncagagc                                     147
```

 $\langle 211 \rangle$ 330

<213> Homo sapiens

ctgagagcat	taagaaccaa	atgactgtga	aagaatggga	gaaagtgttt	gagatgagtc	60
aagataaaaa	tctataccac	aatctttgtg	ccagcctgtt	ccctactata	catggcaatg	120
atgaagtaaa	acgggggtgtc	ctgctgatgc	tctttgggtg	cgttccaaag	acaacaggag	180
aaggggacctc	tcttcagagg	gacataaatg	tttgcatgtg	tggtgaccca	agtacagcta	240
agagccaatt	tctcaagcac	gtggaggagt	tcagccccag	agctgtctac	accagtggtg	300
aagcgctccag	tgctgctggc	ttaacgcaag				330

<210> 744
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 744
 cccaagagga aaagagagaa aaaagagaaa aagaagaaac ggaaggcaga gaagcatcga 60
 ggccgagctg gggccgatga agatgacaag gggcctaggg caccgcgcc acctcaacct 120
 aagaagtcca agaaagcaag tggcagtggt ggtggcagtg ctgctttagg cccttctggc 180
 tttggacctt ctggaggaag tggcaccagg ctcccaaaa aggccacaaa gacagcccca 240
 cctgccctgc ctacagggtta tgattcagag gaggaggaag agagcaggcc catgagttac 300
 gatgagaagc ggcag 315

<210> 745
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 463
 <223> n = A,T,C or G

<400> 745
 cctcagaagc caggtctttg tcttccctc ctggttctctg cctccttttc tccccaaat 60
 tgagtcccag aaaccagaat tcttttctc caaagcaggt cttagaaact agaattcctt 120
 tctctcaaac ccagccataa aacctagcta ggtcactctc tcccttctcc ctggaagatc 180
 ctcatctccg aggggggatac ccaggggaag gggaattgta cagagcggct ttgctgggtt 240
 tcccgactct gtccatcacc gttaggccag atcctttgtg tccaatcaca tttctgcgtg 300
 gatgttcatt catcaaacct aaatacaaaa ataaacgttt ttatggcctc tttttaccag 360
 ctccgaggtg attttcatat tgaattgcaa attcgaagaa gcagcttcaa acctgccggg 420
 gottctcccg ccttttttcc cggcgggtggg agaagtagat tgnagccagt tga 473

<210> 746
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 20, 289, 504
 <223> n = A,T,C or G

<400> 746
 tttttttttt tcaaaactgan aaagggtttta cttttaagac aaaaaaaata gcattaacac 60
 acatccaaat gccagtgcag gagttcactg ggtttataaa agagaaaact aaactcaagt 120
 gtcaaataaa aactggagcc gtcaagaatg actgcttggt gcaacacagg tgtaacatgt 180
 gcttgcttaa agtcgttctg tgtttgtgga tatgtggaaa tgcattgacga gggaaacgat 240
 gcaaggcaaa atgacaggtg ctcaaagctt taagatcctt ttcttcacnc ttgtgtgctc 300
 ttgttttgct tttgagaatt agggtaattc gcaggtcatt ttacaaagaa ctgtaatatc 360
 aaagaacact tccaaacggc taaaataggc tcaaggtcac tattaaagtg ataaagggag 420
 gtccgtgggg gaaaagtttg tgttctcaaa gccagatttc acaccatggc aggcactaaa 480
 tctagttaca tgtgcttgca gtanaaaaaag 510

```
<210> 750
<211> 493
<212> DNA
<213> Homo sapiens
```


<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 496, 497
<223> n = A,T,C or G

<400> 754
ccatcttcgg accccccaac accctctacg aaggcggcta cttcaaggcg catattaaat 60
ttcctattga ctacccttat tcaccaccta ccttcagatt cttgaccaaa atgtggcacc 120
ccaacattta tgagaatgga gatgtatgca tttcgattct tcatccgcct gtagatgacc 180
cacagagtgg agaactgcct tctgaaagggt ggaatcctac tcagaatgtg aggactatcc 240
tattaagtgt aatctcactg cttaatgagc ccaacacctt ctccccagcc aatgtcgatg 300
cttcagttat gttcaggaaa tggagagaca gtaaaggaaa agacaaagaa tatgctgaaa 360
ttattaggaa acaagtttca gccactaagg ccgaagcaga aaaggatgga gtgaagggtcc 420
ccacaacctt ggcggaatac tgcatacaaa ctaaaagtgc ctttcaatga caacagctca 480
gatttgcttt acgacnctt gt 502

<210> 755
<211> 322
<212> DNA
<213> Homo sapiens

<400> 755
ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
atctcccccct tctccttttg gctgggtcatc cagcagggtg tcgacaatgg cagcatctac 120
aaccctgaag tgcttgatat cacagaggaa actctgcatt ctcgcttctt ggaggggtgtc 180
cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggttgcac agtaccocat 240
tctatcatca acgggtacaa acgagtctct gcttgtctg tggagacgga ttacaccttc 300
ccacttgctg aaaagggtcaa gg 322

<210> 756
<211> 268
<212> DNA
<213> Homo sapiens

<400> 756
aaagaaaaaa agtaaatcca ctttatgggt gacttcagct atggacaaat ttgggatcag 60
tgttctccag tctgaacata gtcttctgtt acctgggaga gagtgggtcag gtactgccag 120
ctcagggcag ccaaaagcat gacaaatgac aggtagatgg gggagtagtg gcttcgggaa 180
atcagctgac agttgggaag attctgcgtc cggatgggtg agatgatctg ccttggtttt 240
ctagaagatg ggtctgagtc ggggattc 268

<210> 757
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 322, 354, 366
<223> n = A,T,C or G

aaaaactaat ttttttttta gtgtaataaa tcctaagagg gaactgattt aagaaacaag 360
gccgccaaac aaaggcagca gttccgactc cagcag 396

<210> 761
<211> 362
<212> DNA
<213> Homo sapiens

<400> 761
ctgggtgccca ttgctgttgt tcttgatgcc agcagctatt ttacagaagc agtccaggaa 60
gactttatca tcaccactgt gatcttcac atatttatca aagttgcagt atggtttgaa 120
tcgctccacc aagatctgca ttttctccac ctctccaaag gaaaggtagc ggatgatgcg 180
aagcaggccc tggagcacac tggggttgga gcgaacaaag gtgctgttga tctgggccaa 240
gagcatcacc agttgatcct tgtcacctgt caggaggagg ttgcccttgt cctcactcag 300
gggctcagca ttggactcat ctagaatgat ctccatgatg ctaagcacct gctcagccac 360
ag 362

<210> 762
<211> 439
<212> DNA
<213> Homo sapiens

<400> 762
ctgaccagca ccatggcggg tggcaagaac aagcgcctta cgaaaggcgg caaaaaggga 60
gccaagaaga aagtgggtga tccattttct aagaaagatt ggtatgatgt gaaagcacct 120
gctatgttca atataagaaa tattggaaag acgctcgtca ccaggacca aggaaccaa 180
attgcatctg atgggtctca gggtcgtgtg tttgaagtga gtcttgctga ttgcagaat 240
gatgaagttg catttagaaa attcaagctg attactgaag atgttcaggg taaaaactgc 300
ctgactaact tccatggcat ggatcttacc cgtgacaaaa tgtgttccat ggtcaaaaaa 360
tggcagacaa tgattgaagc tcacgttgat gtcaagacta ccgatgggta cttgcttcgt 420
ctgttctgtg ttggtttta 439

<210> 763
<211> 449
<212> DNA
<213> Homo sapiens

<400> 763
cctcggagga gagcgccctc aaccacctcc agaaccggg cgacgcggcc gagggccggg 60
cggccaaagag gtgcgagaag gccgaggaga aggccaaagga gattgcgaag atggcagaga 120
tgctgggtgga gctgggtccgg cggatagaga agagcgagtc gtcgtgagcg cggtcggcgg 180
tttccagcca atggattctg gtcaactggg ggagattggc tgacaccctg gagaagccga 240
aaccagagag ctttttgtt tctctttttt cctgtctatg ctctgtctca cttaacacta 300
cgttttctgc tatgggtctgt ggttgatgac ctcaatatga gtttcgattg ttaacgtgtt 360
tttgtttgga aagtaatttt gtttgaaaat gctctcacat acaggaatta gggcctagat 420
tgtaagctct tgcagcagtc acatttgtt 449

<210> 764
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

$\langle 223 \rangle$ n = A, T, C or G

caggctggt	ctcaaactcc	tgacctcagg	tgatccgcc	accttgacct	cccaaagtgt	60
tggtattaca	ggcaggagcc	accgtgcccg	gccgaatctt	attcttactg	gttactgtag	120
aataatttca	gtcctgtccc	ttatgattct	gaatccaatt	atataaagga	aaataacttt	180
tcatgtgaat	gtaaaatgtt	tacacacata	agtaagacag	tttacaagac	aaactggtct	240
acacagacaa	aggtctatat	taaagttcaa	tctggacct	agaattcttg	tcatgggacct	300
cttgtgaaga	gtctgcccta	ctcaggaatg	ggcacatggg	ttaacaattt	tcacttattt	360
actgagggag	tggagtatat	atgtagggag	gtgaaattac	cattcctggg	aataaatgta	420
ggattttaat	ngaatgatag	aattttattgt	acaantcaca	ttgggtgagtc	ttatttcaggt	480
attaggctta	actattttaga					500

<213> Homo sapiens

ctggtttcac	tgtcaggtg	attatcctga	accatccagg	ccaaataagc	gcgggctatg	60
ccctgtatt	ggattgccac	acggctcaca	ttgcatgcaa	gtttgctgag	ctgaaggaaa	120
agattgatcg	ccgtttctggt	aaaaagctgg	aagatggccc	taaattcttg	aagtctggtg	180
atgtgccat	tgttgatatg	gttcctggca	agcccatgtg	tgttgagagc	ttctcagact	240
atccaccttt	gggtgcgttt	gctgttcgtg	atatgagaca	gacagttgcg	gtgggtgtca	300
tcaaagcagt	ggacaagaag	gctgctggag	ctggcaaggt	caccaagtct	gccagaaaag	360
ctc						363

<213> Homo sapiens

gtgcaaccga	gagacaacat	tagattagct	gtgcactttg	caagaagagg	ggaagaggac	60
aatacgttca	tcttgagagc	tgcttctgag	aacctcaggg	aagaagtcta	gaaccctgat	120
ctacataaag	tgacagatga	cggactcggt	gtggaggact	cctgaagtag	tgtccctgat	180
tagaatgctg	atttcttccc	caaaagtgat	gtgggcacag	aactgagctg	tgtgaatggg	240
aggccaaata	agctctgctg	aatttgctct	ggcagcccaa	gtccttaagg	tgagg	295

<213> Homo sapiens

ctggttatcc	gagaagttcc	gaggattctc	cttggatttc	ttagggaacc	agttgggatac	60
ccagagagaag	agcccatcat	ctcgggctac	tgccagccca	cccagattca	tcagcgtcgcg	120
ctgcacacag	gccatgtttc	ttccttccca	gaggtccaca	gtttggaaga	tgtcagtggt	180
gttaatgccca	tacgcgtcag	acctgcccg				210

<212> DNA

<213> Homo sapiens

<400> 768

```
ccaattgaaa caaacagttc tgagaccggt cttccaccac tgattaagag tgggggtggca 60
ggcattaggg ataataattca tttagccttc tgagctttct ggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccagacctgc 460
```

<210> 769

<211> 251

<212> DNA

<213> Homo sapiens

<400> 769

```
ccaattgatt tgatggtaag ggaggggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagtcca gacgggtttct 120
atttcttgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctagggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
ataagctctt c 251
```

<210> 770

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 478

<223> n = A,T,C or G

<400> 770

```
cacgccgccg cttgtgctgc agccatgtct ctagtgatcc ctgaaaagtt ccagcatatt 60
ttgcgagtac tcaacaccaa catcgatggg cggcggaaaa tagcctttgc catcactgcc 120
attaaggggtg tgggccgaag atatgtcat gtggtgttga ggaaagcaga cattgacctc 180
accaagaggg cgggagaact cactgaggat gaggtggaac gtgtgatcac cattatgcag 240
aatccacgcc agtacaagat ccagactgg ttcttgaaca gacagaagga tgtaaaggat 300
ggaaaatata gccaggtcct agccaatggt ctggacaaca agctccgtga agacctggag 360
cgactgaaga agattcgggc ccatagaggg cctgcgtcac ttctggggcc ttcgtgtccg 420
aggccagcac accaagacca ctggccgccg tggccgcacc gtgggtgtgt ccaagaanaa 480
ataagtctgt agg 493
```

<210> 771

<211> 552

<212> DNA

<213> Homo sapiens

<400> 771

```
aaatatgaat ggcaaatttt ggttttttagc ttttacattt tattatctta attttataaa 60
tgctaataatt tcttttgtga taagttatag catctcataa agtttgttct atttgaagtt 120
tttttagagta cttgagaaat gaatttagtc tgcaggtagt aagtatgcta ctaaaatacg 180
```

```

ttagatctaa atccttttat ttggtataaa aatgcaatat tgagaatcaa aacttgtttt 240
taagagaact atagattcta cacaacctga tttcaagtaa ttattcatag tatttatagt 300
tgtcttggca aagtgattgt aaaattctgt aggacctatt cacacttctt ccttcttcca 360
tatacttctc tggttttccc catagttccc ctataatttc aagtttggtg aaacctgtta 420
atttttagtg gggattagaa gaaaaacttg gtggtttctt agcatgatgg tgtatgtatg 480
tggtaatgga aagtctgtaa aagtaaatat agtgtagcaa aaaagatttc actgagtatt 540
ttagatacta gt 552

```

<210> 772

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 444, 486

<223> n = A,T,C or G

<400> 772

```

aaaatttcat cataggaatt tgggtgacct tttgcaactca gtattaaaaa aaaccatcaa 60
gttgcctctt ggaacagtag catttaggtt tgtttttttt tttttgtcac acttgtttat 120
ttctttggga tgttgcctgt tgtcatggaa gaaacgctcc cctgaaaact gtaaccaaac 180
aaagtttggg taaaacaaag ttggttcctt tgttttcatg gaaatgtcag acaactatga 240
aaagctaagg aagcatggtg aactgaaggt ctggccttgg taaattaggc agagatgttc 300
tcagcagcaa acaggtaaaa tctgacatcg agaagcatta ttttaatgta ggaccagtta 360
taatcttaaa gaactgacta ggttctaaaa taatagaact gagaaatagg actgagaaat 420
gaccaacatc aagtataata cggnacactt agcacttggt tctatagaaa acatttcaaa 480
tcaagnt 487

```

<210> 773

<211> 490

<212> DNA

<213> Homo sapiens

<400> 773

```

ctgcttccat tgggtgggtca tttttgctgt caccagcaac gttgccacga cgaacatcct 60
tgacagacac attcttgaca ttgaagccca cattgtcccc aggaagagct tcaactcaaag 120
cttcatgggt catttcgaca gattttactt ccgttgtaac gttgactgga gcaaagggtga 180
ccaccatacc gggtttgaga acaccagtct ccaactcgcc aacaggaaca gtgccaatat 240
caccaatttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300
gtggtaggat gcagtcaga gcctcaagca gcgtggttcc actggcattg ccataccttac 360
gggtgacttt ccataccttg aaccaaggca tgtagcact tggctccagc atgttgtcac 420
cattccaacc agaaattggc acaaattgcta ctgtgtcggg gttgtagcca attttcttaa 480
tgtaagtgt 490

```

<210> 774

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 422

<223> n = A,T,C or G

<400> 774
 ccactagagg tctgtgtgcc attgccagc cagagtctct gcgttacaaa ctccataggag 60
 ggcttgcgtg ggcgagggcc tgctatgggt tgctgcgggt catcatggag agtggggcca 120
 aaggctgcga ggttgtgggt tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
 ttgtggatgg cctgatgac cacagcggag accctgttaa ctactacgtt gacactgctg 240
 tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
 ggggccaac tggttaagatt ggccctaaga agccctgcc tgaccacgtg agcattgtgg 360
 aacccaaaga tgagatactg cccaccacc ccactcaga acagaagggt gggaagccag 420
 anccgcctgc catgccccag ccagtcccca cagcataaca ggtctcctt tggcag 476

<210> 775
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 775
 ccagcttctt gaccagtttt ttattcttgt tgagtttttt cagcgcctcg atgtccatgt 60
 gggggatata cacggcctta gcctcgtcac agtgctgctg gtccccagg acacacacag 120
 agaacttagg gcggggagtg gacttaagcc tgacggtgcc cgagaagcgc ttgtccttct 180
 ggggatcata gttcttcaag ctgatctgca actccaccgt ctccaggaac ttgcggcgct 240
 tgcgccttta gtgatgatga ttaaagggtg tggctgtggc cttgaaaata gtcatgtgaa 300
 aactcatcac cttaagggtg taagtgtgag gatcttcacg atgaaatttc tgtaaattgt 360
 gcagtcagcc tcagtttcca aagccggaaa aggatcctct agtagccacg gtgtggcag 419

<210> 776
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 776
 ccacagacgt cattcgctgg actccctggg cactaaatga gtgtctagca tccttaaggc 60
 tgctcaacac acagccccag actctgaata tgattccaag aaatattctg aaaaagtca 120
 catcgctgga ataaacagtt tccaagata actgctttga aaaccagtcc cgttagtctc 180
 taaaagccca cctacggcac ctcccttcca tcagagtctg ctgcccgggt gggctgggaa 240
 ggaggagat acaaagaaga aagtaggcat gatcactggg tcggttccca agccaccctc 300
 accctccaag aaggcatgaa tggacaacc ccgagaacag agcacgtgtg aagaaccaac 360
 acgacaggca cgggatggca gcactggtg aagggaggca 400

<210> 777
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 777
 ccaaaggggt ctctagctgc tgctctgctg ctccctgctca tggatgagtt tggcgatggg 60
 gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcatgatt 120
 ggcattccagg ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat 180
 gtggttcagc tctttctgga gcattctcgc gaagctgctc ttgctgatct tgttcttgac 240
 caggctgtac ttagacacat atttgtagaa gttttccacc aggacaatga ctgccttctc 300
 cagctccgtg tagcagtctg acatctccct gcttcgcctg ctggcggggc ctgctgcctc 360
 agtctgcctc ctctccagca gggctctggg gcctgggc 398

<210> 778

<211> 462
 <212> DNA
 <213> Homo sapiens

<400> 778
 atcgccatca tgaacgacac cgtaactatc cgcactagaa agtccatgac caaccgacta 60
 cttcagagga aacaaatggt cattgatgtc cttcaccgcc ggaaggcgac agtgcctaag 120
 acagaaattc gggaaaaaact agccaaaatg tacaagacca caccggatgt catctttgta 180
 tttggattca gaactcattt tgggtggtggc aagacaactg gctttggcat gatttatgat 240
 tccctggatt atgcaaagaa aaatgaaccc aaacatagac ttgcaagaca tggcctgtat 300
 gagaagaaaa agacctcaag aaagcaacga aaggaacgca agaacagaat gaagaaagtc 360
 agggggactg caaaggccaa tgttggtgct ggcaaaaaga agtgagctgg agattggatc 420
 acagccgaag gagtaaaggt gctgcaatga tgtagctgt gg 462

<210> 779
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 779
 ctgacaagcc cttgcgcctg cctctccagg atgtctacaa aattggtggt attggtactg 60
 ttctgtttgg ccgagtggag actggtgttc tcaaaccgcc tatggtggtc acctttgtct 120
 cagtcaacgt tacaacggaa gtaaaatctg tcgaaatgca ccatgaagct ttgagtgaag 180
 ctcttctctg ggacaatgtg ggcttcaatg tcaagaatgt gtctgtcaag gatgttcgtc 240
 atggcaacgt tgctggtgac agcaaaaatg acccaccaat ggaagcag 288

<210> 780
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 400
 <223> n = A,T,C or G

<400> 780
 gggcaacaag agcaaaactt cgtctcaaaa aaagaaaact ggctagaatg cacttcaact 60
 taagtccttg gagctacgct aattcatgga gaaccacaga ggtttaatag gcattttctat 120
 acctggatca gcccgaagga cagtattacc ctgtactgcc cttoctatta ctattttcag 180
 tcatttacta atattgggct gtagtacttt cacgtttaag ctttggctat tcagagctca 240
 ctacgtttta tcttcagtta cctgaatggt gtttaccttc tgggtgtggat catcccggt 300
 tgtgttagtg ctctctcttt ggaagaagcc aggatttaag atcgagttag cctagatgtg 360
 gccagcagg gtacagaagg ggaaaggctg cagaaaaccn ggcgatattt cgtgcaaaga 420
 ggtttttgcg ccattttatt atggttttca ccgtcgtatg agaggaccag 470

<210> 781
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 99


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agagatgggt ggcctgccat gggatatccat ggtgacaaga gtcaacaaga gcgtagactgg 300
gttctaaatg aattcaaaca tggaaaagct cctattctga ttgctacaga tgtggcctcc 360
agagggctag atgtggaaga tgtgaaattt gtcacaaatt atgactaccc taactcctca 420
gaggattata ttcacgaat tggagaact gtcgcagta ccaaaacagg cacagcatac 480
actttcttta cacctaataa cataaagcaa gtgagc 516

```

```

<210> 785
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<400> 785
ccacaaacac ctctcggcgg ccaggctggt tcagtcgacc acggcacact tccccaaatt 60
ccccagctcc gatcacctcc tcgatcttga cgcaggacac gtcgatctcc ttggcaaact 120
cccgaacagc ctctattagg tctctgtagg taaaagggtc aatataaacc ttcattccag 180
gagcaactgg agggagaaga ggtgggcgtg agagggtaac gtcaagccag cctctccctg 240
cgatgggcac agctccagca ggctccctgc tgagcccagc cccatattcc tctgtgttgc 300
tgccctaate ctccagctcc catgagaact cctggtgacc ataaaggcta gacacctagg 360
attctactcc tagtttttct ctctcatctc tcatcacatc cagacctctc tcagattcat 420
gcctcccctg gttcccactg ccccgacctt gtccagg 457

```

```

<210> 786
<211> 306
<212> DNA
<213> Homo sapiens

```

```

<400> 786
aaaatgagcc gggcgcggtg actcacgcct gtaatcccag cactttggga ggccaaagca 60
ggcgatcat gaggtcagga gatcaagacc atcctggcta acacggtgaa acccgtctc 120
tactaaaaat acaaaaaatt agccgggtgt ggtggcgggc acctgtagtc ccagctactc 180
gggaggctga ggcaggagaa tggcgtgaag ccgggaggtg gagcttgagc tgagccgaga 240
tcacaccact gcactccagc ctggacaaca aagcaagact ctcaaaaaag aaaaaaattt 300
tttttt 306

```

```

<210> 787
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<400> 787
ctgctgcttc agcgaagggt ttctggcata accaatgata aggctgccaa agactgttcc 60
aataccagca ccagaaccag ccactcctac tgttgacgca cctgcaccaa taaatttggc 120
agcagtatca atgtctctgc tgattgcact ggtctgaaac tccctttgga ttagctgaga 180
cacaccattc tgggccccat taaataccgt agagccctct ccagtcctac tagcctctgg 240
tcgagataac actgatgcag aaattggctc gtatgcaact ctggatccag ctcggtcag 300
agetgctcct gctgctgctg cagccccagc taaggttgaa gccaaaggaag agtcggagga 360
gtcggacgag gatatgggat ttggtctctt tgactaatca ccaaaaaagca accaacttag 420
ccagttttat ttgcaaaaca aggaaataaa ggcttacttc tttaaaaaaa aaaaaaaaaa 480

```

```

<210> 788
<211> 379
<212> DNA
<213> Homo sapiens

```

<400> 788

```

ccttcttttg ctccacctag tatgataatc atgggttctg ttttagttga tgagaagtgg 60
ctcctatgaa tgcctctgct caatttcttt ttatttttact ttatttttatt tttaggggtc 120
tcgccaactc ctgggctcaa gtgattctcc tgcctccacc tccccacagt gctgggatta 180
caggcatgag ccaccacgcc tggctctctg ttcttttcag tgtctccgtg ccatcagtca 240
gcagtgccta catgttttagc atattgtcat gcagtttctc ttctgttccc acgagatatt 300
tttgacaaaa aaattgacaa aagtacatgt gtttttcccc acctatccct tagaaaacct 360
aatgtgtact gctattttt 379

```

<210> 789

<211> 262

<212> DNA

<213> Homo sapiens

<400> 789

```

ccaaaaaaat taaacaaaat ctcttggttt cctttacagt ttcttttttt gcgtttttatt 60
tttttcaaat tgcattttac agtagaaatg cagaccactt tggatagcta tggctcgata 120
cttctgggtg ccctcctcct aagacatcct cttcttacat tccactgaac agaaaacct 180
cccttctact ggcatagaat tctgccaat gaggcatttg ctgcagcaag agcacagaaa 240
gcactctgtg gatgcatgcc ag 262

```

<210> 790

<211> 365

<212> DNA

<213> Homo sapiens

<400> 790

```

cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgaagc agccctctat gggcccgaa 120
cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggaacctg 180
gctgtatttt ccatacctta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcggtgga ttctgcataa tggatgacac acgttccacc tcatacctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcgggc 360
cacac 365

```

<210> 791

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 287

<223> n = A,T,C or G

<400> 791

```

ttggtgctcc ccctgtgatg agaaaagggt tactgttgca ggtgctaagg aaggctgctc 60
ttctgtcact ctgaagttgc ttggagggat gtccccatgc agactctctc ccagccctcc 120
actcaggga ggtctgtctg taccactgc cctctatagc agaaaacttg cactcctgaa 180
tgcttttttt tttttttttt tcaagaaaga agtggctgtg gactcaacta gattcttggt 240
ttgaaaaagc caaacatat tggatcactga ttgtcacatt ggggttanaaa tgtccattca 300
tgatctccct taagctgcac acaaccctat gaaataacta ccattatcta cactattttg 360
ctaaagctca aagagattaa ataattgtga cagggatcct agccttgaac tcaactgaag 420

```

tgtta

425

<210> 792

<211> 427

<212> DNA

<213> Homo sapiens

<400> 792

```

gtctttacaa aattcctgac aggtggttac tgaatctctc tatgaacttt ccattcaaaa 60
ctttccaagt ttttccttat gtggaaccga aatctttctt tctcccgta aactttacta 120
ctatcagata attgaagaca gatctctttg tattctcttc aagcccaaac caattctgtt 180
cettcaatct aaatagtggg aatatgaatg ttttaagaaat gaaataagaa acatgtgcag 240
gcactttgga aggtgctaag tgactgccct aaggaatgaa aagcaagggc cagggtgggag 300
tagcccagcg aaggcacttg ggctgccagg aacaggaggc gtgggaaact ctggcttagg 360
aaaacatgaa cacaggggca acagaggcaa actgttggtc gagttaaata taaatctcag 420
gctcttt 427

```

<210> 793

<211> 253

<212> DNA

<213> Homo sapiens

<400> 793

```

aaatccacta gccatgctca aaaaaaata ttcttcatgt ttttaatttta tacaatggct 60
agcaggcacc ttagtaacca gccagaaatc aatttcaacc accatcaacc cctaaactac 120
agtaccagga tggctggcta aagaaaggaa acggactggc tgcagtctga cgcgtgccca 180
gtacaagggtg tctggctgac tttgtcctaa ataaggctaa cattagtga ctaagaacag 240
cgtcacgtgg tgg 253

```

<210> 794

<211> 373

<212> DNA

<213> Homo sapiens

<400> 794

```

gtccctatga attgtacgtt tcagagaaat tttttttcct atgtgcaaca cgaagcttcc 60
agaaccataa aatatcccggt cgataaggaa agaaaatgtc gttgttggtg tttttctgga 120
aactgcttga aatcttgctg tactatagag ctcaagaaga cacagcccggt cctccctgc 180
ctgcttgatt ccatggctgt tgtgctgatt ccaatgcttt cacgttggtt cctggcgtgg 240
gaactgctct cctttgcagc cccatttccc aagctctggt caagttaaac ttatgtaagc 300
tttccgtggc atgcggggcg cgcacccacg tccccgctgc gtaagactct gtatttggat 360
gccaatccac agg 373

```

<210> 795

<211> 442

<212> DNA

<213> Homo sapiens

<400> 795

```

aaaagtagtt agcatttaat gaaactccct ccatgtggct tcaagccacc aggacacagg 60
ccccccaac actcttaatc ttctcctcag ctcttctgct gaagaatttg gccttcacga 120
tgacaggctg ctttgggagc tttccctttc ccagaacttt atagtagccc gatcgacca 180
catcaatgat gggagcagcc ccagtcttgt ttttagcagc attcaccogt gtctgttcac 240
tgaccaaaagt ccacaatttg tcaagggtga cagttgggca gaagctctgg ttctctttta 300

```

```

agtggtaatg cttcatacca actttcccaa agtagcctgg gtgggtatttg tcgaagtga 360
tccggtggtg atgcagacca ccagcattac cgcggccgcc ggggtgcttc cggtgcttgc 420
ctatgcggcc gtggccgtgg ct 442

```

```

<210> 796
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 316
<223> n = A,T,C or G

```

```

<400> 796
ccttgagctt gggccgggca ctgaggcgcc ccacatatgc tgagagcagg gggaacgcat 60
ccaggcagcc aggggctagg acctcatgga tcagcagcaa gtccagcagg ttgtagttag 120
cgaaggagat ctggtctccc acaatgaagg tcttgccctc ctggttcttg gacagcaggg 180
tctcaaaagg cttcagttgc ccgggcagtg ccttcacata gtcattccttg cccgcctcat 240
agttggtgta gatgaggag atgtatttgc agcggaggtc ctccacgcog tcattcacca 300
tgtccaccag ggctgnctcc tgctggctct tcccatagag cccaagggtg cggcccag 358

```

```

<210> 797
<211> 83
<212> DNA
<213> Homo sapiens

```

```

<400> 797
aaaattaaaa tttaatcccc tccctccagc acacaaaaaa aaaaaacaca caacattaga 60
ggaatgccaa aaatattctc tat 83

```

```

<210> 798
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 798
cggaaaatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagaggggtg gagaactcac tgaggatgag 120
gtggaacgtg tgatcaccat tatgcagaat ccacgccagt acaagatccc agactgggtc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtcctagc caatgggtctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttcggggcca tagagggctg 300
cgtcacttct ggggccttcg tgtccgagc cagcacacca agaccactgg ccgccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399

```

```

<210> 799
<211> 67
<212> DNA
<213> Homo sapiens

```

```

<400> 799
cctcccaagc ccagggtggac aagtcagact atgacatggt ggattatctg aatgagctaa 60
gggaaag 67

```

<210> 800
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 426, 427, 454, 456
 <223> n = A,T,C or G

<400> 800
 cctacacgat ttactgccaa aacagagtgg agtacgagaa aagggtccga gcacaagcca 60
 agaagtttgc gccctcataa gcagcgacct tgtggcatcg tcaaaaggaa gggattgggt 120
 tggcaagaac ttgtttataa catttttgca aatctaaagt tgctccatac aatgactagt 180
 cacctggggg ggttggggcg gcgccatctt ccattgccgc cgcgggtgtg cggctctgat 240
 tcgctgaatt gcccgtttcc atacagggtc tcttccttcg gtcttttgta tttttgattg 300
 ttatgtaaaa ctgcgtttta ttttaatat gatgtcagta tttcaactgc tgtaaaatta 360
 taaactttta tacttgggta agtccccag gggcgagtgc ctgcgtctgg gatgcaggca 420
 tgcttnttca ccgtgcagag ctgcacttgg cctnan 456

<210> 801
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 801
 ctggagacac tttagaactc tttcccatc ctccaccata gtgcaaactt cacgcttctc 60
 tgagcacctc caaggtatgc ctttgaagt aaacagaaaa gggaagaaag ggggcttttt 120
 cttttccatt tctgaccaa cagaggtctg aaat 154

<210> 802
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 802
 ccattaaaag ttattttacaa cagtgggaga aaaaaagaca agaagttggt tcacattaca 60
 gacctcccc caccctaaag cctaatactt gcttaccaag tcaaaaaaga gacacagttg 120
 attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acggggcagt 180
 gtctctccca gcccggttgc cactaggcac agcacaagag actaaaaaca acaggggaag 240
 gctggacact caaggttttg gagtataagc accccacttc tggtcagggt atttggggag 300
 tagggtaaac aaaacctact tggaaaagaa ttggggaaga aaaccaacaa ctgccttatg 360
 caggggtggg gacaggggaag gaggtagggc caggacagag agcatttcac atcactaacc 420
 taacttggga agctgtaagg gaccat 446

<210> 803
 <211> 573
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 514
 <223> n = A,T,C or G

tttgggtccac agcataacag gcactgcctc cttacctgtg ag 522

<210> 807
<211> 327
<212> DNA
<213> Homo sapiens

<400> 807
ctgctgccct tagagcttgt ggacaaatgt ataggatcaa gaattcacat cgtgatgaag 60
agtgataagg aaattggttg tactcttcta ggatttgatg actttgtcaa tatgggtactg 120
gaagatgtca ctgagtttga aatcacacca gaaggaagaa ggattactaa attagatcag 180
atthttgctaa atggaaataa tataacaatg ctggttcctg gaggagaagg acctgaagtg 240
tgaatgagtt tccttgactt acactagatt ttgttttggc ttataatgac aagaaaatgg 300
aatttttttt cccactttct aatgttt 327

<210> 808
<211> 188
<212> DNA
<213> Homo sapiens

<400> 808
cgagcggcgc cccggcaggt ccttatccct gtaagtctat taaatgtaaa taatacatac 60
tttacaactt ctcttagtcg gcccttggca gattaaatct ttgcaaaatt ccatatgtgc 120
tattgaaaaa tgaaataaaa cctcagatgt ctgaattctt atttcaaata cagttatata 180
attatttt 188

<210> 809
<211> 416
<212> DNA
<213> Homo sapiens

<400> 809
ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60
gaaggatgga gtggggatgg tgcagtatct cagaaaagaa gacatggaat atgccctgcg 120
taaactggat gacaccaaat tccgctctca tgagggtgaa acttcctaca tccgagttta 180
tcctgagaga agcaccagct atggctactc acggtctcgg tctgggtcaa ggggcogtga 240
ctctccatac caaagcaggg gttccccaca ctacttctct cctttcaggc cctactgaga 300
caggtgatgg gaattttttc tttatttttt aggttaactg agctgctttg tgctcagaat 360
ctacattcca gattgaggat ttagtgtctt aggaaatttt ttttaatttt tttttt 416

<210> 810
<211> 539
<212> DNA
<213> Homo sapiens

<400> 810
ccactctttc atggtggtgg cagcagttac cagtaatgag cattagactc tgggggatag 60
aacacgggct gccctgagag cttcatgttg gagctgaagt tcaaggttca cttccttttg 120
gtttgtactt gacccttctt catgtgtctc tcccgttccc tctaaaacaa gtgtgtttcc 180
cctcattttt gaggtgtgca atggtgtgag agccaggatc atcacggggc ctgaggtttt 240
actccagaaa agcagaggag tggcaacctt ggcttggggg ttggcagccc aggaaaggca 300
gggaggagag ctcaaagccg gtttcatgtt tcacccaagg tctaattgtg ggagaggaca 360
aatccagatc ccctgtttga cagaattagt tcacaaatgt ctcttggcaa aaacatgtga 420
cacctaacca tgataattga cttaatccaa gaaagagctc tgtagggcag agcaatagga 480

aatctctctt tcgttatgga aaaaaataa tccctctaca tagaaactga gtgacatgt 539

<210> 811
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 811
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttcagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttcagga taatcacctg agcagtgaag ccag 454

<210> 812
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 510
 <223> n = A,T,C or G

<400> 812
 cgctcctgaa ggagaagagg aagcgacgcy aggagctggt catcgaacag aagaaaagaa 60
 aactccttcc agacactatt ttggagaagt taaccacagc ttcacagact aacatcaaga 120
 aatcgccagg aaaggtgaaa gaagttaatt tgcaaaaagaa aaatgaagac tgtgaaaaag 180
 gaaatgactc caagaaagtt aaagtacaaa aagtacagtc tgtcagccag aataaaagct 240
 acttggccgt aaggctaaaa gaccaagatc tgagagattc aaggcaacaa gcagcacaag 300
 ccttcataca taattcatta tatgggccag gaaccaacag gactactgta aataagttcc 360
 tgtctcttgc caacaagagg ttaccagtga aaagagctgc tgtccagttt ttgaataatg 420
 cttggggaat ccaaaaaaaaa caaatgccca agaggtttta aagacgggtg atggtcagaa 480
 agatgaaaac taagaagtaa atcaatgctn aatgaag 517

<210> 813
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 813
 ctgtttttac atctaaagca atagactaga actgaattat cttctacata gtaaaatcac 60
 aattgtggaa ttacaggaat tctggtgata ttaaggtgaa ataacaaaac acaaaaggcc 120
 ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa 180
 tgcttctcca ccaaataagg gctttttccc ctatttaagg agccagatgg attgaaagat 240
 gtggaaatag gcag 254

<210> 814
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 395, 405, 437, 455
 <223> n = A,T,C or G

<400> 814
 cctattgggt atcaaatggg gcacagtgt gctgcctctt aaaaagttgt gaggaatgag 60
 ttagaactgg atctgaagtc ctcaggtaat aggcattggc atgactgggt gactttaagc 120
 attgttgctt ctcaacttgc tttgtatcct cagcagtcac accagggtgt cttgggtcca 180
 ttcagactct tgggttctgc tcttgacct tttgcaaaga gttctgaacc ttcattggga 240
 aggtcaagca ccctgtgact gggggagaac ctttgaacct ggagtgtggg cctgggttcg 300
 ccccgatcc ctgtccattg cttgctgtgg gccttggttt ctttatctgt aaaatggagg 360
 taatgcctgg attacaaggc tgcataaagg atganagggg acaantgagg gtacttttta 420
 atgaaagcat tcttgtnacc accagggaac catantcagg 460

<210> 815
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 815
 ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
 cgagctgccg gcagaagctt ctcccaggtc ctcttgagat ttatgatata gatgccatca 120
 cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaatggg 180
 gttcctgctg caaggaactt aaggacatcc tcctccttca tttgcaggac atcaagggtc 240
 ccggacattg tgaaaatttc cctttaagtt acgacgggaa tccagaacaa cgccg 295

<210> 816
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 816
 cctaggattg tgggggcaat gaatgaagcg aacagatttt cgttcatttt gggtctcagg 60
 gtttggtata attttttatt tttatgggct ttgggtg 96

<210> 817
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 817
 tttttttttt tttttaagac cctcatcaat agatggagac atacagaaat agtcaaacca 60
 catctacaaa atgccagtat caggcggcgg ctctgaagcc aaagtgatgt ttggatgtaa 120
 agtgaaatat tagttggcgg atgaagcaga tagtgaggaa agttgagcca ataatacgt 180
 gaagtcctgt gaagcctgtg gctacaaaaa atgttgagcc gtagatgccg tcggaaatgg 240
 tgaagggaga ctgaagtac tctgaggctt gtaggagggt aaaatagaga ccagtaaaa 300
 ttgtaataag cagtgttga attatttggg ttcggttgtt ttctattaga ctatggtgag 360
 ctccaggtgat tgatactcct gatgcgagta atacggatgt gtttaggagt gggacttcta 420
 ggggatttag cgggggtgat cctg 444

<210> 818
 <211> 481

<212> DNA
<213> Homo sapiens

<400> 818
 aaaaagcaat cctcaaactc tctagccaca gcagtaatta agattaaggt ctgtcagtgg 60
 gctgatcccc tccaggtagc ctccctcact ccaagagaag atgtagagaa atatggatga 120
 cacatgcttg cattgttttt gtgtcaaaac acacacaccc acacacacac acaatataag 180
 gcagcccaaa ggtctgtggc agaaaacact gcaaatgact cagtgatata ctacatttgc 240
 aatctctcat ttatacaaaa aaagaaacaa gtttccagtt tgttttcaac aaaaacaaca 300
 aagaaaaaag ggatggacaa aaaggcattt atacaaatct aggggtgagga atacaaagaa 360
 acttgctttt aataataaaa aaagattaaa gagataaata aaaaaaaact ggttacagtt 420
 aagaacataa ttttaacaaca gatggccata ccctttgagg aaagctccaa caacctattt 480
 t 481

<210> 819
<211> 317
<212> DNA
<213> Homo sapiens

<400> 819
 ctgggcacag tccagttctc agcagtaatg acagaaatga aggaaggaag ctccagaatga 60
 gtgcacgggg gaaatgggtt ttgctgatgc atttccaggg ccggccgtac tctttgtttt 120
 ggcacacttt tcctgacaaa cagccagtg tctcaacaca taaatactag tccacgttaa 180
 caacaatagc atatgagacc gctctccgta aagatgccag attggatgca aatggactgg 240
 aaataccttg gagggtttca caaaaaataag acaaagggca aaggaacttt gccaaaggag 300
 atggagagca attcttt 317

<210> 820
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 160, 272, 326, 352, 381
<223> n = A,T,C or G

<400> 820
 caagcttttt tttttttttt tttttttttt ttttggttaa aaaagtttaa tgagctgtaa 60
 aataaatata cttccattaa atattaaata aattatttac aacttgaaaa aatacttttt 120
 accttcgtgc acctttatat acagaaatag cataaaaaagn gacaattgaa agtttaaaac 180
 catcataaca aaaagggtcc attgtcttat gatccactgg aaagaggacc gactcatcat 240
 ttatggctat gacttggcag tgactccaat gngatatcct gtaattttat cttcagttat 300
 gctatagcat gtacatttcc attctnttgc cgaagtttct ttcgttcctc ancttctcct 360
 tcatatttcc tgacgtattg ncttctaagc tggactgtaa taacagcaac ag 412

<210> 821
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 185, 186, 194, 195

<223> n = A,T,C or G

<400> 821

```
cctcgggtgga catcaggcgc aggaaggtca gccaaagagga atcagaaacc tgaagttaga 60
aaggctcaac  gagaacaagc tatcagggct gctaaggaag caaaaaaggc taagcaagca 120
tctaaaaaga  ctgcaatggc  tgctgctaag gcacctacaa aggcagcacc taagcaaaag 180
attgnaaagc  ctgnnaaagt ttcagctccc cgagttgggtg gaaaac 226
```

<210> 822

<211> 552

<212> DNA

<213> Homo sapiens

<400> 822

```
aaacaaattg cagagaatag agaaaaaaat aggttattta cagaaaacaa tatctacata 60
tgtacttaga ggtacaaatt tggtgacaga aaagacttca gtatatgctg gcatcttaga 120
agcagttctc aaagagctta gttttatttt cttgaatttt aagaatgcct aagatccttc 180
ttcatcctcg atcttgggag ccaagtagta ttttaagtgt cccatatccg caattttata 240
ctctacaaca aggggtacat ctgcagacat actgagtgtc accggttgaag agagtggagt 300
ggcttttgta aagaagttca ggtacctcag tgcaaaaagt agttgaactg gttcattcat 360
ctctatggta acagcttcct cctcttatcg acattacttg totgtgacaa tttaatgttt 420
ccatttccaa gttctccact tgcagaaaat ttcactccgt cttttgcaca ggaaattaca 480
acagcatctc caatatggct gagatctcgg catatacgtg caaattcacc agaaggcatc 540
tttactacac ag 552
```

<210> 823

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 49, 151

<223> n = A,T,C or G

<400> 823

```
aaattgaagc gaattaaata ggattttact actcaacatt cattatacnt gttaatcttt 60
getgaaatat atgctaacaa atgttaagca agggaaactg aagacttagt catgtggatt 120
gttagcagtg atctgcattc tgtaaaagag ntactttccc atgatgtagg catgaagtgg 180
taccagtaag cgtacagcgg aaatgttgac tttagttaac attgggttta gcatttccag 240
tgcagcatta tcagtgggcc ttt 263
```

<210> 824

<211> 328

<212> DNA

<213> Homo sapiens

<400> 824

```
aaaattagtc atcttacaac acaacagtat tctagcacgg tggcgaagtg acaggcggca 60
gatacggggg aggaaggaga cgttcacggg aaattccaca ttctactcta tgtgaactgc 120
tccagaaaaa tacagacatg atttcacagt aggattccca gagtaaalga tgatacatag 180
gacaactgac ctctcttaag aagcccggct ggggcagcag tgagcttttc atggagccac 240
gcagactggc ccggaagcaa caccaggtt caacatttaa gagcactcgc tataacattc 300
tttttggacg caggtggtgg aaaagttt 328
```

<210> 825
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 825
 ccacacaagt ttcgaagacc tactcccaag gaaaccaagg acacaatgac cttcaagaca 60
 cagacagcca ggaacagggc acggattgct gtgaacaact tcctcagcat ctgcatgtaa 120
 gctctacact cctccttctg ccattgggtc tcttgacttc gccgcataca tctgtaccca 180
 gtggtaggga agacagggtc tgagcgatca cacacagtgt cgatgtataa aaagggttca 240
 gtttgccaga tgaagctatt cacgcagagg acaacagcag ccatagctgt agcaaagcct 300
 gtcagggtga gcaggctgga tatatagcca gcaagtttgc ccgggtgctt ctcatggaca 360
 atggccccag ctctgtctgc gatcaccaca gaccccgccc agaaggcaca gcctgaggca 420
 cgcagcacag tcaggggccc caagctgaga cactccaa gaacacaact cacaaccccc 480
 agcaatatct ggtcaccccc tagagccag 509

<210> 826
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 826
 ctgtaacagg gctgccttca ctccggcatg agggtcagtt aatgaagaac tgggtgggtggg 60
 tacatgctgg ttttctgtcc gataatctag atcttctcca gtgactgggtg gtgggttcagg 120
 aggcctggga ggtcgttggg caggaggcag aattcgaggc cggctctggtt ctggcggttag 180
 ctccaagatc ctcatatctt gatgctggat gaggtcatct tgtcccgaca ccggaatgct 240
 aggttctgga ggtggcctga gttgtaatga cgcttcatgt cccgatccat tttccctctc 300
 ttctagtagc acatctttct gctttgactg ctgagccttt attaactgag tcaacagaac 360
 tgcaaatgca ctctgcacag ccgctgggc agcatcagtc tccacttttag gctggatggt 420
 ctgagaagaa ggctgaattc ct 442

<210> 827
 <211> 605
 <212> DNA
 <213> Homo sapiens

<400> 827
 ccagggttta taattgggat gtaaaaagaa gaaacaagga tgactctacc aagaacaaag 60
 cataatgctg gcaattaaaa atgtggttta gttttccaaa catgttatct taaatacccc 120
 tttatcctta caggttgaca taactttgaa tgttttaaca gcaagaattt taagaaaaga 180
 taaacaccat tttatttatt tataaaaaca aaattagttt caaatatttt tgacattgtg 240
 attttttttt ccacatttct cagcaaagct aatgggtatt taatcattat ttttgctgt 300
 cataagaaaa ctcttagctg aaatggccga aaactgtgag acatgctatg gaagctgaat 360
 gccggacgct agcacagttt actttttccc tttctaattg gctgatgtta ctctcacttg 420
 atgtggttaa accatttttag aggtagagaa gacagacagt ttgaatattt gtaaaacttg 480
 ttttcttttg tatatttagg acttagtggt cctctgttgc tattgtcttc tataagtggg 540
 gtttcatgac ttactgctta acgaataact aactactatg atattctgga catttttagg 600
 aatgg 605

<210> 828
 <211> 475
 <212> DNA
 <213> Homo sapiens

```

<400> 828
ccactagagg tctgtgtgcc attgccagc cagagtctct gcgttacaaa ctccctaggag 60
ggcttgctgt gcggagggcc tgctatgggt tgctgcgggt catcatggag agtggggcca 120
aaggctgcga ggttgtgggt tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgata cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
gggacccaac tggttaagatt ggcctaaga agcccctgcc tgaccacgtg agcattgttg 360
aaccctaaaga tgagatactg cccaccacc ccactctcaga acagaagggt gggaagccag 420
agccgcctgc catgccccag tcagtcccca cagcataaca gggctctcctt ggcag 475

```

```

<210> 829
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<400> 829
cagggtcccg cccgggcccat cctctccatc cgggtctgca gggacatgat caccgcgcgc 60
tccttggggt acgcgtatgt gaacttccag cagccggcgg acgcggagcg tgctttggac 120
accatgaatt ttgatgttat aaagggcaag ccagtaacga tcatgtgggt tcagcgtgat 180
ccatcacttc gcaaaagtgg agtaggcaac atattcatta aaaatctgga caaatccatt 240
gataataaag cactgtatga tacattttct gcttttggtt acatcctttc atgtaagggt 300
gtttgtgatg aaaatggttc caagggctat ggatttgtac actttgagac gcaggaagca 360
g 361

```

```

<210> 830
<211> 535
<212> DNA
<213> Homo sapiens

```

```

<400> 830
aaaaaaaaacc taattcattg aagtaataac caaataatct tcaatcttga ttcaactgtg 60
attcaaatct tacaccattt gccacttct atgaatttta tgtataaaat tttttaagag 120
tcagagtttt tttttcttga ttaattggat gtatttcaca gaatttccaa ctgctcacgt 180
tagttttctt ccttttagag ttgatctctc taatgtatta gatcctcatg cctttgatag 240
tctctctgga ataagtttgc agaaaaaact tcagcatgtg ccaggaacac aacctcacct 300
tgatcagaat ctccgtgtgg aaaagaatgt gagaacaag gacaatcact gcatggagg 360
cataaggctg aagggtattg tgtcaatcaa aggcaaatca caacaagtga ttgtccagg 420
tgtccatgag ctctatgata tggaggagac tccagtgcgc tggagggatg acactgagag 480
aacaaattga ttggtcctca ttggcagaaa tttagataag gatatcctta aacag 535

```

```

<210> 831
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 486
<223> n = A,T,C or G

```

```

<400> 831
ccatcttcca caagtactcc ggcaggagg gtgacaagca caccctgagc aagaaggagc 60
tgaaggagct gatccagaag gagctcacca ttggtcgggt gaggggcctc ctccccagga 120

```

```

cccccttttcc cacccttgtc ctttgggaagc aggattaggg gagagagagg tgccagggtgc 180
atctgactca catttaccca cattctgagg ccctgggtcca catgtagacc ctgagctgta 240
gacccactct cccagcgggt aggggatgct tccagccgga tatccatctc tccaaatgag 300
gaccagtaac tgagaagtag ctgaggagaa gcaatgcca agtgacatgg gtccttgggtg 360
atgagggagc acagagccac ttgcagagag gattgcctgg gagggggaag gggaagaatc 420
caggggtgtc atcaccactg agtatggatt tcacattcta acacattaga agctgcagga 480
tgctgnaatt g 491

```

<210> 832

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 121, 280, 290, 295

<223> n = A,T,C or G

<400> 832

```

ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
catacttccc ccattattcc tagaaccagg cgacctgcga ctccttgaag ttgacaatct 120
ngtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 180
ctcatgggct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 240
aaccactttc accgctacac gaccgggggt atactacggn caatgctctn aaatntgtgg 300
agcaaaccac a 311

```

<210> 833

<211> 162

<212> DNA

<213> Homo sapiens

<400> 833

```

ccagcagcct ctgatctgtg caaggtatta acgtgtcagg gctgagtgtt ctgggatttc 60
tctagaggct ggcaagaacc agttgttttg tcttgcgggt ctgtcagggt tggaaagtcc 120
aagccgtagg acccagtttc ctttcttagc tgatgtcttt gg 162

```

<210> 834

<211> 502

<212> DNA

<213> Homo sapiens

<400> 834

```

cctctactca ataatagttt acattactct taacaaaatc attctacata aacagatagc 60
tccttaaaaa tagtactctc tcattaaatc taatttgaca gaaagaagtt taagggaata 120
aggagtgttt tgtaagtga aaagtacaaa tctttggcct ttctcttgac attttcgtat 180
gtcaaaaagc aaaaaacctt catgtatttc aatctagtga ttactttttg caccataatt 240
tgtttttttac accacaaaag gaggcacttt cagtatctgt aaaaggatt taatcctaaa 300
acatacttac ctagagaata attaaaacag aattcaatac aatctagtat ctattaggaa 360
attaagagtt atcacttcta aaagtcattt gaaagtcaat gatgttatct ggtcaatggc 420
aggaaatggg aactggaaca aatataagaa cttatgggat ttctacacag gagacaaaaa 480
aagatattcc tttatgttgt tt 502

```

<210> 835

<211> 305

<212> DNA
<213> Homo sapiens

<400> 835
cctaaatgtg accaaaccaa cattgtaatc cagtcccttc ttggaacctt aattgaactg 60
ccaagtactg cgcattgcaag agacccttta ttggccttac agtgggcatc tcatttctat 120
aggcaaagaa agctctagac agattggaat aggaaatgga tatttgccctt ttagctacac 180
ccctttgtct gtcttcctca ttttgctcct tttttttttc cctaaagggg agtcaagttc 240
cctgggttgt tcccctcata aggtattagg gacttggtgc acatctctct ggagttttct 300
atattt 305

<210> 836
<211> 316
<212> DNA
<213> Homo sapiens

<400> 836
atcaacctct gcgggtccca ctgcggcggt tccatcgggg aagacggggc ctcccagatg 60
gccctagaag atctggctat gtttcggtca gtcccccacat caactgtctt ttaccaaggt 120
gatggcggtg ctacagagaa ggcagtgga ctagccgccca atacaaaggg tatctgcttc 180
atccggacca gccgcccaga aaatgccatc atctataaca acaatgagga cttccaggtc 240
ggacaagcca aggtggtcct gaagagcaag gatgaccagg tgaccgttat cgggggtggtg 300
gtgacctgc acgagg 316

<210> 837
<211> 335
<212> DNA
<213> Homo sapiens

<400> 837
ctggcttcag agccggcctg acctgtacct taatcttgtg gctgtgogca gggacttctg 60
tgaggagccc cggttcctgc atatccggag gtctgggcca tagcatggct gccctgtgga 120
tgctttgtca gtgcccag cctgaccaga ggggaggtgg atggcacttt ccagagccca 180
ggttcttatg gcatttccca gggttctgtg atttcccat gctctgcatt tctaggatat 240
ttctaggaca cctggattgg ctccatcaca tcagagtggc tgagggcagt tgctctgtgt 300
tggtgaaatt gctgtggggg tatcggggga tatgg 335

<210> 838
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362
<223> n = A,T,C or G

<400> 838
cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
tggggcagcg aaaatttttg gggggtggtg tggagagata atgggcgatg tttctcaggg 120
ctgcttcaag cgggattagg ggcggcggtg gagcctagag tgggagagat taagctgaag 180
ggaggtcttg tggttaaggg tgatatcatg gggatgttag aagaaacatt tgctgtatag 240
aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggaagatac 300
aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360

angacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
ttacttcaag agttaagagt ggcagt 446

<210> 839
<211> 479
<212> DNA
<213> Homo sapiens

<400> 839
ctgggtcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
tccatctttg aatacagaat tcaggggagc caggagggtc aaccgctcac ttccagagag 120
atgattgccg aggccggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa tgtagtggat 240
caccocgttg gtggctagga tatctttatt ggagatgac gccttcccg tcatagttag 300
catgtccccg ctgcagccca cctccagtgt cgtgccctcc aggtctctca cagacagccc 360
cgcaacgatg gcttcagcac acatagctga cttcaagatg tggttgttca gcaggtctct 420
cagggcttct gggtcgccca ggatacgggt caaagtctca ctagggatct tctcgaagg 479

<210> 840
<211> 409
<212> DNA
<213> Homo sapiens

<400> 840
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
tatgtatgtg gaatccagaa ctcagttagt gcaaaccgca gtgacccagt caccctggat 120
gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttcggga 180
gcgaacctca acctctcctg ccaactcgcc tctaaccat ccccgagta ttcttggcgt 240
atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cagccaaaat 300
aataacggga cctatgcctg ttttgtctct aacttggcta ctggccgcaa taattccata 360
gtcaagagca tcacagtctc tgcacttgga acttctcctg gtctctcag 409

<210> 841
<211> 322
<212> DNA
<213> Homo sapiens

<400> 841
ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
atctccccct tctccttttg gctggtcac cagcaggtgt tcgacaatgg cagcatctac 120
aaccctgaag tgcttgatat cacagaggaa actctgcatt ctgcttccct ggaggggtgc 180
cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggtgcac agtaccctat 240
tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc 300
ccacttgctg aaaagggtcaa gg 322

<210> 842
<211> 402
<212> DNA
<213> Homo sapiens

<400> 842
ggcatttctg ttacagacca aggagaactg gagaaagaaa gagaaaatca gttcgtgggt 60
gcattgtgga tgcaaatctg agcgttctca acttgggtat tgtaaaaaaa ggagagaagg 120
atattcctgg actgactgat actacagtgc ctgcgccctt gggccccaaa agagctagca 180


```

gaatccgcaa acttttcaat ctctctaaag aagatgatgt ccgccagtat gttgtaagaa 240
agcccttaaa taaagaaggt aagaaaccta ggaccaaagc acccaagatt cagcgtcttg 300
ttactccacg tgtcctgcag cacaaacggc ggcgtattgc tctgaagaag cagcgtacca 360
agaaaaataa agaagaggct gcagaatatg ctaaactttt gg 402

```

<210> 843

<211> 486

<212> DNA

<213> Homo sapiens

<400> 843

```

ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg acgcttctga 60
gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
tgatctggag aaggacatta tttcggacac atctggtgac ttccgcaagc tgatggttgc 240
cctggcaaag ggtagaagag cagaggatgg ctctgtcatt gattatgaac tgattgacca 300
agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360
gatcagcatc atgaccgagc ggagcgtgcc ccacctccag aaagtatttg ataggtaaaa 420
gagttacagc ccttatgaca tgttggaaag catcaggaaa gaggttaaag gagacctgga 480
aaatgc 486

```

<210> 844

<211> 541

<212> DNA

<213> Homo sapiens

<400> 844

```

aaaaaccag tgagtattat tttcaatttg ttaagggttg aaaccttcag tgaagcttgt 60
ttctcttttc ttgttccttc tttcaaattg aaatgacatt tttgtttata gagctccagg 120
tcaaaggatc taacaatttt taatagcaat ttcctatagt gaatacttgc tttttcttcc 180
tagtcttgca gcaaaaaact aagcaagctt tgacatagag ggacgcatgt gaatatcgta 240
aattttatata caaactccca taaatactcc ctttcaatct aacacagaag acggggcagg 300
acggacgcag cagttggggc gtcggaagtt ctgcagcatg gactggaaaa cactgtgctg 360
ccttcctctg agcttcttat ttgaagaagt atctgaggaa atggatctcc gggctctggc 420
atcttgagtt ttgattaatt tctcatgttc cctgatttgt ctttgcaaat ggttctggat 480
cgcgattccc agggactctg cgtccaagga tgcaccatac acttcccagg tcattccctg 540
c 541

```

<210> 845

<211> 337

<212> DNA

<213> Homo sapiens

<400> 845

```

gcaccgccag ccttgtgggc agcaacatgt tccccaatca ttaccgcgag gcggcctttg 60
gggggggect cctatccccg gggcctgaag ccacgtagcc ccgcgatgcc agaggagggg 120
cactgggtgg ggaggagggt ggaggagccg tgcaatccca accaggatgt ctagcaccoc 180
catccccctg gcccttctc atgcttctga agtgacata ttcagccttg gcgagaagct 240
ccgttgacag ggtttccctc tgagcccatt ttacagatga ggaaactgag tccggagagg 300
aaaagggaca tggctcccgt gcactagctt gttacag 337

```

<210> 846

<211> 454

<212> DNA

<213> Homo sapiens

<400> 846

```
ccacagctaa catcattgca gcacctttac tccttcgggt gtgatccaat ctccagctca 60
cttctttttg ccagcaccaa cattggcctt tgcagtcctc ctgactttct tcattctgtt 120
cttgcggtcc tttcggttgc ttcttgaggt cttttttctc tcatacaggc catgtcttgc 180
aagtctatgt ttgggttcat ttttctttgc ataaccagg gaatcataaa tcatgccaaa 240
gccagttgtc ttgccaccac caaaatgagt tctgaatcca aatacaaaga tgacatccgg 300
tgtggtcttg tacattttgg ctagtttttc ccgaatttct gtcttaggca ctgtcgctt 360
cccggggtga aggacatcaa tgaccatttg tttcctctga agtagtcggg tggcatgaa 420
ctttctagtg cggatagtta cgggtgctgt catg 454
```

<210> 847

<211> 369

<212> DNA

<213> Homo sapiens

<400> 847

```
ccaacctgcc tctacagcgt ccacagcgaa cacagggcta gacaaggag gagtttctca 60
aacgggtttta atcggttctc tccgcgtcac aagccatcgg gtaaggcaac ggaatgtgcg 120
tggggtcccc tgtggctccg cggtcacaat actgagcctg gaattgctgt tagcaaaata 180
tacatttgtg tcaccataaa aaaccgcgcc gccgcccctc ggggtctcaca acaggtataa 240
aaaattataa atatttacac ccttgttaca cgcttttacg gaaaggggat cctaggagag 300
ccccggggac aggacgcggg ggcggtagaa agagcacaaa gacaggagcg cccgccttcc 360
gggtcccag
```

<210> 848

<211> 344

<212> DNA

<213> Homo sapiens

<400> 848

```
ccaacttaaa gccgaatccc ggctccaaga aaccggagag aagaccaaga ggtcggagaa 60
gaggtagaaa atgtggcaga ggccataaag gagaaaggca aagaggaacc cggccccgct 120
tgggctttga gggaggccag actccatttt acatccgaat cccaaaatac gggtttaacg 180
aaggacatag tttcagacgc cagtataaag ctttgagtct caatagactg cagtatctta 240
ttgatttggg tcgtgttgat cctagtcaac ctattgactt aaccagctt gtcaatggga 300
gaggtgtgac catccagcca cttaaaaggg attatggtgt ccag 344
```

<210> 849

<211> 245

<212> DNA

<213> Homo sapiens

<400> 849

```
ctgcttgggc ctctctctc tggagagtcc cacctgtgta gtgggcgtgg gtgccctgat 60
tgggcccagt tgcaggcagt agaggcaggg cagggaacct gcagtccact acatgttctt 120
cgggatttcc ccaggagcca cagtaggagg gaagtgtggt ttacctggcc tttgattctc 180
tccaggtgag gaagaggatg gagatgaaga tgaggaagct gagtcagcta cgggcaagcg 240
ggcag 245
```

<210> 850

<211> 294

<212> DNA

<213> Homo sapiens

<400> 850

```
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294
```

<210> 851

<211> 362

<212> DNA

<213> Homo sapiens

<400> 851

```
ccatcctgag gatagggcag agtgcccagg gtggccccag ggcttctaaa accccaccta 60
gaccaccctc catgtcaggt actgagcaag gcccagatc cttctctctg gaggaagagg 120
gaagcccagg ggtcctgttt gtaaaacaac ggtggcaaca gctcctcttc cagagctgtc 180
tctgccttta tcctgggaga tggggaggaa gcccctctc tgctgttccc cgctggagg 240
aagccacccc agcaagctct ctctaccccc aggtaaaagg tgctcctttg cctggggttg 300
aattccagcg ctgccacttc ctctctgcac ctcttggeaa gtttcttcta tccccacgt 360
tt 362
```

<210> 852

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 109, 124, 241, 250

<223> n = A,T,C or G

<400> 852

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aaaagataat atattctacc ctcatatggt cctcagaatt aaagcataat gaacaggaag 60
aaaaaggaaa agaatgcaac ctgagtgcata aggcagaaca tottgccana agtaattaat 120
gaangtagag tatataatga aaagtgcaga atttcatagg gccaacaaga taacagtcta 180
tattttttcac ttacacaggc aaagtggatt ctgcaattac cagttgcgtt aaatgcacca 240
nataaagctn ctaaaattga tactataagg cgccacctta agtttttcca ggtgcaact 300
gtgcattatt t 311
```

<210> 853

<211> 490

<212> DNA

<213> Homo sapiens

<400> 853

```
ctgttatcca ggcgctggat ggggaaatgc gcaacgcagt gtgcatattt tatctggttc 60
tcgagctctt ggacacactg gaagatgaca tgaccatcag tgtggaaaag aaggtcccgc 120
tgttacacaa ctttcaactt ttcttttacc aaccagactg gcggttcatg gagagcaagg 180
agaaggatcg ccaggtgctg gaggacttcc caacgatctc cttgagttt agaaatctgg 240
ctgagaaata ccaaacagtg attgccgaca ttgcccggag aatgggcatt gggatggcag 300
agtttttgga taagcatgtg acctctgaac aggagtggga caagtactgc cactatgttg 360
ctgggctggt cggaattggc ctttcccgtc ttttctcagc ctgagagttt gaagaccctt 420
```

tagttggtga agatacagaa cgtgccaaact ctatgggcct gtttctgcag aaacaaacat 480
catccgtgac 490

<210> 854
<211> 366
<212> DNA
<213> Homo sapiens

<400> 854
aaaaactgcc acttgagat aaaaatcaag ggcacaatgt actcagagag tattgagcta 60
tctggtatcc caaatgatgt gaatactttc agaaaccaat ggcaaattga acccagcttt 120
cccagctatg gagatattaa tacattgatt caaatcccat tactcaatcc acatagccct 180
gaggtcatcc tgcaaagtgc gtatcaaaaa atacgaagtt aggggtgacaa agtttgacag 240
tgatgttata caagtcaaac ttggaaggtc atagtaagca tacctatgct gagagaaaag 300
catcaaatcc tttgtgtaca catttagttt tattgttaaca aagcaacttg tacactttta 360
acgttt 366

<210> 855
<211> 434
<212> DNA
<213> Homo sapiens

<400> 855
ccaacatggt gaaaccctgt ctcttctaga agcacaaaaa tgagctgggt gttctggtgg 60
gcacctgtaa tcccagctac ttgggaggct taggcaggag aatcactgga acccaggagg 120
cggaggttcc agtgagccaa gatcgacca ctacactoca gcctaggcca caaagcaaga 180
ctgtttctca acaacaacaa caaaaaaaaaa agactcagag agccaggagac 240
cagggaagga tatgaggaag tgttctgagg acagagaaat gggagaatgg ggaggagaag 300
gagcggcaca tggagctcag cagaggagac agacagaagg aaagatggct tggagaagcc 360
ggcagtcctgc gaggctgagg aggatggaga glgggtttggg gttttgggtc gggctctagt 420
gtgatcaact gcag 434

<210> 856
<211> 283
<212> DNA
<213> Homo sapiens

<400> 856
ctgctgctat taagttgcaa gctctacagc tagctacatg actgatggat cagtttgaga 60
tttgttccct tgtcaaaagt ttaactctga tagaagggtg gcctcacatt ctgatgtttg 120
gacatccctt agctaggata tgtctggtcg aacagacctt tgtggcaagc cagatgtcct 180
atcacctcgc tagcggttaag agggcctctt tgagctctgt ccacctagtc aggttggaga 240
caccagggga tctaccacca aaagctccct tctagtagta cag 283

<210> 857
<211> 149
<212> DNA
<213> Homo sapiens

<400> 857
ccatattgac agaccaatct atgggactag gggaattggc atcaagtcca cacccttgaa 60
cctgctatgg ccttcagcag tcaccatcat ccagaccccc cgggcctcag tttcctcaat 120
catagaagaa gaccaataga caagatcag 149

<210> 858
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 246, 268, 297
 <223> n = A,T,C or G

<400> 858
 ctggaggatg gccgcactct ctcagaactac aacatccaga aagagtcac cctgcacctg 60
 gtgttgccgc tgcgagggtg cattattgag cttctctctc gccagcttgc ccagaaatac 120
 aactgcgaca agatgatctg ccgcaagtgc tatgctcgcc ttcacctctg tgctgtcaac 180
 tgccgcaaga agaagtgtgg tcacaccaac aacctgcgtc ccaagaagaa ggtcaaataa 240
 ggttgntctt tccttgaagg gcagcctnct gccaggccc cgtggccctg ggcctnaat 300
 a 301

<210> 859
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 859
 ctctgtgagc aggatgccca ggacctgtat gaggtctggag agaagaaatg ggggacagat 60
 gaggtgaaat ttctaactgt tctctgttcc cggaaaccgaa atcacctgtt gcatgtgttt 120
 gatgaataca aaaggatatac acagaaggat attgaacaga gtattaaatc tgaaacatct 180
 ggtagctttg aagatgctct gctggctata gtaaagtgc tgaggaacaa atctgcatat 240
 tttgctgaaa agctctataa atcgatgaag ggcttgggca ccgatgataa caccctcatc 300
 agagtgtatg tttctcgagc agaaattgac atgttggata tccgggcaca cttcaagaga 360
 ctctatggaa agtctctgta ctctgttcac aagggtgaca catctggaga ctacaggaaa 420
 gtactgcttg ttctctgttg aggagatgat taaaataaaa atcccagaag gacaggagga 480
 ttctc 485

<210> 860
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 860
 ctgagccact gcccctggct gacgtgcct ctttgaagtg cttgtcttcc ctgctactct 60
 ggggtctgct gcccgctggc tgctcccagg tgttctttgc cagatcccca ccaaacttca 120
 tgcctccaag gcttgagggt gcccgggctc agtatctcca ggttactgat ccagcaaaat 180
 tataagaaac attaaaattc tctgaaaatt tcagtttttt cccttttttc aaagagaaaa 240
 acaattatag gagacttctc ctggcttcac agtttctgga tgctgtgttt ttgttaactg 300
 taacactttg aaatagcatt tgctaaaaac cttttttctt tctctctttt ttgggtgatgt 360
 ggcagagaga aagacattga gatgttcctt gagtccagcc gcagcaaatt tataggttac 420
 actctaggca gtgacacgaa cacagtgggt gggctgccca ggccaatcca cgaaagcatc 480
 aagactctga aacaggtgag t 501

<210> 861
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 861
 ctgaggaaga aatgaaaaaa gaccctgtcc cccatggccc gccactggc ctccctgtgaa 60
 ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct 120
 ctggggctgc ccagcctgac cgcaggggat ccactggcag agccaagggtg gatgctgggtg 180
 cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa 240
 ctcccagcag aacagaacgg aaaaggagct gattggggat agaatgagtt ctgctaaaca 300
 gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360
 ggtgg 365

<210> 862
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 862
 ctgcaaagta ccacacatag cagaaagaca gaaatattata ctgggggggtt ggaagatatg 60
 gctactgagt ctgtaattcc atttggaggt tcaaaaaacc atttttacat tgctattatt 120
 tgtacagacc aagggaccta aattttgaaa cagctagaca gtgatataaa caaacattta 180
 tctctggggg tagaaaatta attataatac aagaatgaaa atggggcaaac agtatggaag 240
 gcacccacac ctccctagcac cctttgggtt tctgatggag ttctcacttc acacatcagt 300
 gcattggatt gcagaaaata ttgatatttt atttcatcaa aagtgccatt tggatgcca 360
 ctattgaaag cttatcgctg tctttttctc cttcagcaag tagagggtcaa tgaagcaggg 420
 tgtgttagtt acgcaaattc ctataaggca ctttacgggt ttcatattgg acagtgaggt 480
 acacaggata tatttctagg gttcgttgct gttaacaaaa agaagaagaa gtagcaccat 540
 gttgtgacat tagctgagtc aggccttcatt atgttcttct catacagact tggcagcggc 600
 tgacgtgcgt gcgcagc 617

<210> 863
 <211> 520
 <212> DNA
 <213> Homo sapiens

<400> 863
 ctggggccac tgtcggcatc atgattggag tgctgggttg ggttgctctg atatagcagc 60
 cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
 tttgcaacag ctacagtcta aaattgcttc tttaccaagg atatttacag aaaagactct 180
 gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccactctctac taaaaatata 240
 aaaatgagct gggcttggtg gcgcacacct gtagtcccag ttactcggga ggctgaggca 300
 ggagaatcgc ttgaaccggg gaggtggaga ttgcagtgag ccagatcgc accactgcac 360
 tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
 tgtactcttg gatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaacttta 480
 atgaactaac tgacagcttc atgaaactgt ccaccaagat 520

<210> 864
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 864
 ccattaaaag ttattttacaa cagtgggaga aaaaaagaca agaagttggt tcacattaca 60
 gacctccccc caccctaaag cctaatactt gcttaccaag tcaaaaaaga gacgcagttg 120
 attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acggggcagt 180
 gtccctcccca gcccaggtgc cactaggcac agcacaagag actaaaaaca acaggggaag 240

```

gctggacact caaggttttg gagtataagc accccacttc tgggtcaggg atttggggag 300
tagggtaaac aaaacctact tggaaaagaa ttgggggaaga aaaccaacaa ctgccttatg 360
caggggtggg gacaggggaag gaggtagggc cagggacagg agcatttcac atcactaacc 420
taacttggga agctgtaagg gaccatctt 449

```

```

<210> 865
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<400> 865
aaatcaattc aaatatctct taaatgcctt tgtaaaatca gctctatact aggtgtgaag 60
gagataagaa atattacaaa aatgtctttg ttccaaatct cctcatagta tagttgggaa 120
aggcaaaaga agcagacatg aaaaatttaa gtatccacat aagatgatcc atgtatcata 180
aagagtgatg taggcattta agatttacag gagaagaagg ctctttttgt tgatattttc 240
tgcttggacc aagaatattt atctggtaat actgttaatt ggaaatactt ttgctgctgc 300
aattgtatac attatgctaa tctgcatttt cttatccaaa acaagagcac tcattaagga 360
ctccctgacg tgcagttctg gtcagtaaca atacccttaa cccttcctc accctcatca 420
tggcag 426

```

```

<210> 866
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<400> 866
ccaatttcgg gagatccatg ctgggtgtgct gtctctcggc tagtgcttcc ttcttctcga 60
ggatggcata gccagcatct gcagtggctg actcccgct ctcgtcatct cgcagggagc 120
tgataggctg gaagctattt ttgaagtitt ctttttgttt gttgagactg cgggcccage 180
gttccatgtc cttggcaatc tgttgagctg tcttgggtct gtgcttctcc ttcttctctt 240
tgccctcctt cgaggggtgcc cctgtctcct tatgtccgtc ggccgaactg tccagggcgg 300
gaacataggt ccgcctctcc ccatcccagt acaggtagct ctggctctga gcattgtagt 360
aatactggga gttgggggtca tagtagaggc cggctctggg gtcatagtag tagccggagg 420
tctcatcgta ctggtaggta gagacgtcgg gaacaggg 458

```

```

<210> 867
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<400> 867
ctggcttcac agattttctta ctgcccattg tggagctgat ccctgagaag agagccactg 60
ccgccagagt tctccggcac ccttggctta actcctaagc ccctgccag caccacagca 120
gagatcacac actgaccctc cgcccttccc cttcaagcat ttctctcttc ccttttcagg 180
gtgaagctct tcttcaaga gtttctagat cttgtttttt ttttaatcca acatgttcat 240
ttgggtttgc ttacttgacc ctgtggagat ccccacagcc attgggcac ctaggtgaat 300
ttggccttgg ttgggctctg ccaaagacta atggactaaa atgtgaaaca gcctcttgcc 360
ctgtaccttt ccttccattt aggacatcct tt 392

```

```

<210> 868
<211> 203
<212> DNA
<213> Homo sapiens

```

<400> 868
 aaagtagttt tctttaggaa ctgtcagcat gttgttggtt aagtgtggag ttgtaactct 60
 gcgtggacta tggacagtca acaatatgta cttaaaagtt gcactattgc aaaacgggtg 120
 tattatccag gtactcgtac actatTTTT tgtactgctg gtctgtacc agaaacattt 180
 tcttttattg ttacttgctt ttt 203

<210> 869
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 869
 cacctttcat gatcacgcc tcataatcat tttccttate tgcttcttag tctgtatgc 60
 ccttttccta aactcacia caaaactaac taatactaac atctcagacg ctcaggaaat 120
 agaaaccgtc tgaactatcc tgcccgccat catcctagtc ctcacgcgcc tcccatccct 180
 acgcacccct tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg 240

<210> 870
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 870
 aaagagcctg agatttatat ttaactcgaa caacagtttg cctctgttgc cctgtgttc 60
 atgttttctt aagccagagt ttcccacgcc tctgttctt ggcagoccaa gtgccttcgc 120
 tgggctactc ccacctggcc cttgcttttc attccttagg gcagtcactt agcaccttc 180
 aaagtgcctg cacatgtttc ttatttcatt tcttaaacad tcatattacc actattttaga 240
 ttgaaggaac agaattgggt tgggcttgaa gagaatacaa agagatctgt cttcaattat 300
 ctgatagtag taaagtttca cgggagaaag aaagatttcg gttccacata agggaaaaact 360
 tggaaagttt tgaatggaaa gtccatagag agattcagta accacctgtc aggaattttg 420
 taaagacgtc tacggccata tcaccctgaa cgcgcctgat ctcacatgat ctcggaagc 479

<210> 871
 <211> 555
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 521
 <223> n = A,T,C or G

<400> 871
 aaagttgctt tgctggaagt ttttataagg aatctcaaata taaactttta gaagtttaat 60
 tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtgggttt 120
 attacctatg ggttttatatc ctcaaatacg acattctagt caaagtcttg gtaatatatac 180
 caatgttttc aaatgtattc tgttatatac agagcagatt tttattgaac ttgtgcaata 240
 actatattac catacaatat aaatattcat gaatagtttc ccaagtctgg agcgaccaca 300
 tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatttta tcaaattgct 360
 gtaagctgtg gatagcttaa aagaaaaaaa gtttcttgaa atctgggaaa caagacattt 420
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 480
 agtcccatga aattaattat tttctctgct tgatcttggt ngacagtttc atgaagctgt 540
 cagttagttc attaa 555

<210> 872
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 872
 ccttagagcc acagcggcgg cacaacgtgt gcgtcttatt gcgacgcttt ccaaacgatg 60
 acgttccctt cgtcatctcg cttctgcggc cgag 94

<210> 873
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 873
 ccacaaagcc attgtatgta gctttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtgc tacgagctgt tcccaaccct gtaatcaacc 120
 cctaccagcc agcacctcct tcaggttact tcatggcagc tatccacag actcagaacc 180
 gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccct cgctggactg 240
 ctcaggtgac cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

<210> 874
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 284, 296
 <223> n = A,T,C or G

<400> 874
 cctataattc ctaccttgac tgtgtgcatc atttgtaagc tagcagatct atgtggtgaa 60
 aatgcacagg agcttggtag actgcggggg aaagagagag ctcccttcgc catgttttac 120
 cagtctactg ttataacctc ttaggttgta tcctttaatt tccagccttt taggttagtt 180
 tctgtaacag aacaagtgag tctgggatga agtcctcaaa gtacttcaaa tggtaattgt 240
 tttgtttttg taatagctta acaataaac ctaggttttc tatngaaaaa aaaaangc 298

<210> 875
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 875
 attatcctct gtttctctgc tgcaccgacc tcgacgtctt gcctgtgtcc cacttggttcg 60
 cggcctatag gctactgcag cactgggggtg tcagttgttg gtccgaccca gaacgcttca 120
 gttgtgctct gcaaggatat ataataactg attggtgtgc ccgtttaata aaagaatatg 180
 gaaactgaac agccagaaga aaccttcctt aacactgaaa ccaatggtga atttggtaaa 240
 cgccctgcag aagatatgga agaggaacaa gcatatt 276

<210> 876
 <211> 452
 <212> DNA

<213> Homo sapiens

<400> 876

```

ttgaagatgg tcccttacag cttcccaagt taggttagtg atgtgaaatg ctctgtccc 60
tggccctacc tccttccttg tccccacccc tgcataaggc agttgttggg tttcttcccc 120
aattcttttc caagtagggt ttgtttaccc tactcccaa atccctgagc cagaagtggg 180
gtgcttatac tcccaaacct tgagtctcca gccttcccc tttgtcttta gtctcttggt 240
ctgtgcctag tggcacctgg gctggggagg acactgcccc gtctagggtt ttataaatgt 300
cttactcaag ttcaaacctc cagcctgtga atcaactgtg tctctttttt gacttggtaa 360
gcaagtatta ggctttgggg tgggggagggt ctgtaatgtg aaacaacttc ttgtcttttt 420
tctctccac tgttgtaaat aacttttaat gg 452

```

<210> 877

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 185, 262

<223> n = A,T,C or G

<400> 877

```

aaaaacaaca ccaaagcaaa cccatagccc ctgtcaagcc agtcctcagg gagagtgagc 60
tggaaggctc ccctgcact tctctgagca gagatcttgg gcccctccca ctggacccca 120
gcctgagcag agggcaaggc tctgcctgct ggtaccctag ggggtggggg agaagcgatc 180
agctncaaac catgcaagaa aaacaagcca aaccataaa gcaaaagaaa aaatcaacag 240
aggataaatt aaaaaaaaca cnaaagggtga atgacaccga taacggtgg 289

```

<210> 878

<211> 411

<212> DNA

<213> Homo sapiens

<400> 878

```

ctgcatatgg cctgggagtc atggcacagt acggtggaga taattatcgc cttttttgta 60
cagaagcact tcccctgctg gtaagagtta ttcagtctgc ggattotaag atcaaagaaa 120
atgtcaatgc tacagagaac tgcatctcag cagtagggaa aatcatgaag ttcaagcctg 180
actgtgtaaa cgttgaagag gtccctccac actggttgct ttggcttcca ctacatgaag 240
ataaagaaga agctgttcag actttcaatt atctgtgtga cctgattgaa agtaatcatc 300
caattgttct tggcccaaac aataccaatc tgcccaaaat atttagtata attgcggaag 360
gagaaatgca cgaggcaatt aaacatgaag atccttgtgc caaacgtctg g 411

```

<210> 879

<211> 423

<212> DNA

<213> Homo sapiens

<400> 879

```

aaacagttgg aacaccggtg gcactgttaa ctgctttctg ggcagcctct ttagcttggg 60
gggcttgtag tacagctaca gcttcatcaa ccttagaacg gagtgactct ggagactcga 120
gcatatgaag aagttctgaa ttatcaatct ccaacaacat gccagtgatt ttaccagcaa 180
gagtaggggt catggcttga ataagaggaa acagccgttc acccaacatt tgcttttgc 240
cttgaggagg ggcagatgcc aacatggaag cagtcaaagg ttcttgacct tgtacatgaa 300

```

cagcaggctg ttgcattgta acttgtggct gtgcattaag atgttgctga ggattgcgaa 360
 ctccctgcagc atattttatac tgtggaacgg tgcggacagc aggagtagct gcagcggctg 420
 cag 423

<210> 880
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 880
 ctgggggacg tggttcacgg cgtggaaagc ctagtggagc ttctgggctg gacagaagag 60
 atgcgggacc ttgtgcagcg ggaaactggg aagcttgatg gaccagacaa ataggatgat 120
 ggctgcccc acacaataaa tggtaacata ggagacatcc acatcccaat tctgacaaga 180
 cctcatgcct gaagacagct tgggcaggtg aaaccagaat atgtgaactg agtggacacc 240
 cgaggctgcc actggaatgt cttctcaggc catgagctgc agtgactggt agggctgtgt 300
 ttacagtcag ggccaccccg tcacatatac aaaggagctg cctgcctgtt tgctgtgttg 360
 aactcttcac tctgctgaag ctccctaagc aaaaagcttt cttctgactg tgaccctctt 420
 gaactgaatc agaccaa 437

<210> 881
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 332, 380
 <223> n = A,T,C or G

<400> 881
 caagcttttt tttttttttt tttttttttt ttttggttaa aaaagtttaa tgagctgtaa 60
 aataaataca cttccattaa atattaaata aattattttac aacttgaaaa aatacttttt 120
 accttcgtgc acctttatat acagaaatag cataaaaagn gacaattgaa agttttaaacc 180
 catcataaca aaaagggtcc attgtcttat gatccactgg aaagaggacc gactcatcat 240
 ttatggctat gacttggcag tgactccaat gtgatatcct gtaattttat cttcagttat 300
 gctatagcat gtacatttcc attctcttgt cnaagtttct ttcgttcctc acttctcctt 360
 catatttcct gacgtattgn cttctaagct ggactgtaat aacagcaaca g 411

<210> 882
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 882
 ccactagagg tctgtgtgcc attgccagc cagagtctct gcgttacaaa ctccataggag 60
 ggcttgctgt gcggagggcc tgctatgggt tgctgcggtt catcatggag agtggggcca 120
 aaggctgcga ggttgtggtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
 ttgtggatgg cctgatgatc cacagcggag accctgttaa ctactacgtt gacactgctg 240
 tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgcctt 300
 gggacccaac tggttaagatt ggcctaaga agcccctgcc tgaccacgcg agcattgt 358

<210> 883
 <211> 297
 <212> DNA

<213> Homo sapiens

<400> 883

```
ctgactatcc aacatgattc ctatggaaac agaaggggca gagtcctggt ttgctggcct 60
attgagggct tggcagagaa gctaaagctc caaagtgact acagattctc tgcaaccggc 120
tttgacccat ggaaacagga gccagattct cactctagag atagtgaggg ggccaaacct 180
actcatacca catgcattag tcctggtcac cctccaggac catgcgtatg atgggcaact 240
cataccaggc aggggaaggg agctgattag ggaagaaggg accatttttc atctttt 297
```

<210> 884

<211> 367

<212> DNA

<213> Homo sapiens

<400> 884

```
aatttggtta aaatatctcg gcctgataag ggaactgggc aggtggagat aactaaaaaa 60
gagtgcataa aagagtgttg ttcaagttgg caccagagtt ggggagtttt aagaggttta 120
gaagcctggc tgtcaatacc cacaacagtt atggaggcaa gggaaacagg cccttgaaaa 180
gaaggtaatg tggagtgggt agcctccata ttgattaaga aggggacaga cttaccctcc 240
actgtgagag ttacctaaag ctcggtgtcc atgggtggtt acagggcttc tgaggcgatc 300
aggcagcgtc agtcttcagc cactaagcca agaaggagtc agtcagagag ccttggggcca 360
gtgttcc 367
```

<210> 885

<211> 194

<212> DNA

<213> Homo sapiens

<400> 885

```
gcaggtaaaa atcctgtgta aaggagcacc ttaaacatac cagtgcctccc caggaggctc 60
caccctcaac tcaacccaag caacagggac agatgaaaaa caaaatccaa tcagggcgat 120
aaatggcggg gggcaggacg tgggtgtctc caggctggct tcgtgcgttc ttgcttttgt 180
cactgcccc ctgt 194
```

<210> 886

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 143

<223> n = A,T,C or G

<400> 886

```
aaaataagga gttgtggggg aagggtgtcg tgcactccta gagaaaggta cacagttgcc 60
cggttgggaa tgtgcttggc gctgaccctg cgggcatctg actggtcttc cagctcagga 120
aaaagaattt gaaagaggct tancgtgaag gggaatcaaa gaggagggtt tgatttggtc 180
gaaggtgcct ggttttagtc tgtaattgtc ttattatatt ttttatatat atatttcttg 240
gagtaaacat ttt 253
```

<210> 887

<211> 406

<212> DNA

<213> Homo sapiens

<400> 887

```
ctgaatcgcg cagaatttga agatcaagat gatgaagcca gagttcagta tgaggggttt 60
cgacctggga tgtacgtccg cattgagatt gaaaatgttc cctgtgaatt tgtgcagaac 120
tttgaccccc attaccccat tatcctgggt ggcttgggca acagtgaggg aaatgttggc 180
tacgtgcaga tgcgtctgaa gaaacatcgc tggataaaga aaatcctcaa gtcccagat 240
ccaatcatat tttctgtagg gtggaggagg ttccagacca tcccactgta ttatatcgaa 300
gaccacaatg gaagacaaag gcttctaaag tataccccac agcacatgca ttgcggagca 360
gccttttggg gccctatcac tccacaggga actggtttct tggcaa 406
```

<210> 888

<211> 172

<212> DNA

<213> Homo sapiens

<400> 888

```
aaatacaggg ttctaaaaag aaggaaaaaa ccagaaacat cacatacttt taattatttg 60
taaaagcatt attctagttt tctaagtctt tatacttaaa aatgaaagca gtgtggaaaa 120
gaatccacat aagcaggtat catcagagtt tgcgcagatt agccaaaaca gg 172
```

<210> 889

<211> 479

<212> DNA

<213> Homo sapiens

<400> 889

```
ctgaggaagc tcttcatttg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
catttttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacgtat gccactgttg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tggtaggcatt 300
aaagaagaca ctgaagaaca tcaccttaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagact gtcattcaga aataccatac tgtgaatgg 479
```

<210> 890

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29, 40, 139, 211, 351, 379, 559

<223> n = A,T,C or G

<400> 890

```
gctttttttt tttttttttt tttttttgna actaaaaaan aactttattt attgagggca 60
aggggatgca aacaatacaa aaatcaaaag cttatctggt atttaacttt tctttctctg 120
cttgtcaaat gagagttana ttttattttt acatttgcta agtgtcctga tctgctcatg 180
aaatccttct atgggggaag ctgtggggca nattccttaa gcgacccttt gggacaactc 240
ttatcagggg ggagcgaaact gctcatttct gcctacttct ttcccttctg cttcatgtgt 300
actacaaaat agtcattgca tgcaatggtg aggcccgcaa ttagggaaaa naagctctgg 360
aagcccaact tgccatctnt acactgggtc aggtccttca ttattttgtc cacagccaga 420
```

```
<210> 891
<211> 170
<212> DNA
<213> Homo sapiens
```

```
<210> 892
<211> 563
<212> DNA
<213> Homo sapiens
```

```
<210> 893
<211> 159
<212> DNA
<213> Homo sapiens
```

```
<210> 894
<211> 346
<212> DNA
<213> Homo sapiens
```

```
<400> 894
aaatgtgtgg aacaatgcta catctacact tggttggcct aatcaacctc ttcaatggtg 60
ggccctgagg aagcaccacc agagggagga gtcaccacac caggaaatcc cccaggcatt 120
```

```

cctcctggca tgcctcctgc actctgggtac agcttggtga tgatgggggt gcaaactttc 180
tccagctctt tctgttgatg ttcaaatctt tctttctcag cagtctgatt cttatcaagc 240
cagttgataa tttcattaca cttgtccaga atctttctgt tgctctcatn gttaatcttg 300
ccttgaagtt tctcatcttc aacagttgct ttcattgtga aggcatt 346

```

```

<210> 895
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<400> 895
ctgaacatct gcagcaaggt caaggccgag gtgcagaatc tcggcgggga gcttgttgtc 60
tctgggggtg acagcgccat gtccctgata caggcagcca agaacttgat gaatgctgtg 120
gtgcagacag tgaaggcatc ctacgtcgcc tctaccaaata accaaaagtc acagggtatg 180
gcttccttca accttcctgc tgtgtcatgg aagatgaagg caccagagaa aaagccattg 240
gtgaagagag agaaacagga tgagacacag accaagatta aacgggcatc tcagaagaag 300
cacgtgaacc cggtgcaggc cctcagcgag ttcaaagcta tg 342

```

```

<210> 896
<211> 552
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 438, 441
<223> n = A,T,C or G

```

```

<400> 896
atgctaaact gtgaaaaatc agatgaattg ataaaagagt tccctgcaac caattgaaaa 60
gtgttctgtg cgtctgtttt gtgtctggtg cagaatatga caatctacca actgtccctt 120
tgtttgaagt tggtttagct ttggaaagtt actgtaaatg ccttgcttgt atgatcgcc 180
ctggtcaccc gactttggaa tttgcaccat catgtttcag tgaagatgct gtaaataggt 240
tcagatttta ctgtctatgg atttggggtg ttacagtagc cttattcacc tttttaataa 300
aaatacacat gaaaacaaga aagaaatggc ttttcttacc cagatttgtgt acatagagca 360
atgttggttt tttataaagt ctaagcaaga tgttttgtat aaaatctgaa ttttgcaatg 420
tatttagcta cagcttgntt naacggcagt gtcattcccc tttgcaactgt aatgaggaaa 480
aaatggtata aaaggttgcc aaattgctgc atatttgtgc cgtaattatg taccatgaat 540
atttatttac ct 552

```

```

<210> 897
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<400> 897
ccagcagcct ctgatctgtg cagggtatta acgtgtcagg gctgagtgtt ctgggatttc 60
tctagaggct ggcaagaacc agttgttttg tcttgccggg ctgtcagggt tggaaagtcc 120
aagccgtagg acccagtttc ctttcttagc tgatgtcttt gg 162

```

```

<210> 898
<211> 343
<212> DNA
<213> Homo sapiens

```

<400> 898
ccacctgctt gagccagggt ggcctcctgg aagacctgga caacctcacc ctggaggacc 60
tgaaggagga ggaggaggaa gaggaggagg tggaggacga ggagggcggg cccaggagg 120
gacccctgcc aggtgcagat acaaaccaga caccgtctgt ggctactttg tgttattata 180
agatatgagc tcaaaccgag atatgaatga ccttggggag ccatctgagg ccaagatatt 240
gacggggggg attcctgggt cccattttca gcgccaggg tcacagatcc acagtgggaa 300
gttctgtggg acacattggc actgagccac aaagaagggtg tgg 343

<210> 899
<211> 196
<212> DNA
<213> Homo sapiens

<400> 899
cctacagact tatttcttct tggacacacc caccgtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
cttcttcagt cgctccagggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatttt ccatcc 196

<210> 900
<211> 403
<212> DNA
<213> Homo sapiens

<400> 900
ccaccctgaa aatcaggaac tccaacttct acacgggtggc agtgaccggc ctgtccagcc 60
agattcagta catgaacaca gtggtcagta catatgtgac tactaacgtc tcccttattc 120
cacctcggag tgagcaactg gtgaatttta ccgggaaggc cgagatggga ggaccgtttt 180
cctatgtgta cttcttctgc accgtacctg agatcctggg gcacaacata gtgatcttca 240
tgcaacttc agtgaagatt tcatacattg gcacatgac ccagagctcc ttggagacac 300
atcactatgt ggattgtgga ggaaattcca cagctattta acaactgcta ttgggttcttc 360
cacacagcgc ctgtagaaga gagcacagca tatgttccca agg 403

<210> 901
<211> 461
<212> DNA
<213> Homo sapiens

<400> 901
aaattataat ttttattcct cagtcaccac tgctaatact tcaatttatt tcaaagtaac 60
ttctggtttt tattacattt ggaagataaa gcaacttata acatgtagggt tacaacttaa 120
aattcgtgta tgagccattg cttatatattt ctaaatctga catgaccag ggggtttcta 180
ctgctcctac caccaccag gacatgcgat gaagattgtg caccgttaccg tgagggcaga 240
agcaggttag tagctatagg agctgtcaca tggatttact ataatgcact tgaaattgtg 300
tatgtgacct tatcaggcat ttaaggacca taatctctcc ttgacctaaag aaatcagctt 360
gaagtaattc acttagattt caaattttta tgtggatacc ccaaggctgc aaatctgtta 420
ttcagtacct gctacacttt tggggttgcc tcttttatgc a 461

<210> 902
<211> 256
<212> DNA
<213> Homo sapiens


```
<210> 903
<211> 362
<212> DNA
<213> Homo sapiens
```

```
<210> 904
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<210> 905
<211> 238
<212> DNA
<213> Homo sapiens
```

```
<210> 906
<211> 411
<212> DNA
<213> Homo sapiens
```

<400> 906
ctgggtcctct cccacatgt cacactctcc ttagcctctc ccccaaccct gctctccctc 60
ctccccctgcc ctagcccaag qacagaqtct aggaaggacc tggggcagag ctggaggcgg 120

```
<210> 907
<211> 595
<212> DNA
<213> Homo sapiens
```

<400>	907					
aaaaactgca	ttactgaatt	taacaaaagt	cagacactag	aatcatatat	ttgctgcata	60
aaagttgatt	tgatacctgg	tggtgattga	athtagtctc	aaagactcat	aaataaaaaat	120
ctgacttaag	acgtagtcat	accagtatac	caattctccc	atcactttga	ctttoggcag	180
agagattaga	gcaaaaaata	ttcaggagaa	cagtggagtt	acattgtatt	atgtatgttt	240
aatataatat	caattttaag	gttaaggtta	aggaaatctt	aattttaagg	ttaaaccttg	300
agtactagtt	atagaactta	atatttcctgg	ttaaagagta	agttaactgg	gttattatgt	360
ggccttggtt	gaagaccata	aattatgc at	ttatgcattt	gtggttgctt	tggttctcaa	420
tacattgaat	atgcatagcc	ccttctagaa	atatatatag	tgagaaatct	gtaaaatggg	480
ggagtttagac	taaggtgtga	ctaaaatctt	cccactgtgt	acaggacaca	tcagctgaga	540
gcaaatcagt	ttttatgntt	actcagcacc	atcctcactn	aaaactatta	ttttt	595

```
<210> 908
<211> 601
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 4
<223> n = A,T,C or G
```

<400>	908						
cgantactat	agggcggaatt	gggccctcta	gatgcatgct	cgagcgggccg	cccggggcagg	60	
taaaaagtat	cttgatggtt	cttttctatt	tataatttca	gactttcata	aagtgtacca	120	
agaatttcat	aaatttgttt	tcagtgaact	gctttttgct	atggtaggtc	attaaacaca	180	
gcacttactc	ttaaaaatga	aaatttctga	tcacttagga	tattgacaca	tttcaatttg	240	
cagtgtcttt	ttgactggat	atattaacgt	tcctctgaat	ggcattgata	gatggttcag	300	
aagagaaaact	caatgaaata	aagagaatat	ttattcatgg	cgattaatta	aattatttgc	360	
ctaacttaag	aaaactactg	tgcgtaactc	tcagtttgtg	cttaactcca	tttgacatga	420	
ggtgacagaa	gagagtctga	gtctacctgt	ggaatatggt	ggtttacttt	cagtgcctga	480	
agatacattc	acaaataactt	ggtttgggaa	gacaccgttt	aattttaagt	taacttgcac	540	
gttgtaaatg	cgttttatgt	ttccagggag	cctcgaatct	tcagtctctc	agagaccaca	600	
g						601	

<210>	909
<211>	186
<212>	DNA

<213> Homo sapiens

<400> 909

```
ccagcagttc ctctttgcct tatatttggt gtacgcccgg ccagccttca agatggggtt 60
gtcaattcgg ccacctccag ccaccacacc aaccacagct ctgttggtg aggagataac 120
cttcttgag ccggagggca gcttcacacg ggtcttcttg gtctcagggt tgtgggagat 180
aacggt 186
```

<210> 910

<211> 385

<212> DNA

<213> Homo sapiens

<400> 910

```
ccagggagga cggagacttt gacctactcc acatggagag gcaaccatgt ctggaagtga 60
ctatgcctga gtcccagggt gcggcaggta ggaaacattc acagatgaag acagcagatt 120
ccccacattc tcctctttgg cctgttcaat gaaaccattg ttgcccato tcttcttagt 180
ggaactttag gtctcttttc aagtctcctc agtcatcaat agttcctggg gaaaaacaga 240
gctggtagac ttgaagagga gcattgatgt tgggtggctt ttgttctttc actgagaaat 300
tcggaataca tttgtctcac ccctgatatt ggttctctgat gcccccccaa caaaaataaa 360
taaataaatt atggctgctt tattt 385
```

<210> 911

<211> 467

<212> DNA

<213> Homo sapiens

<400> 911

```
ctggccccca ggtggagaga gatggggaaa aggaggcatc gcagaggaaa tgtgatttca 60
tgtgtgacaa acagtggcaa aacaacactg gctaagaatt tgcagaaaca cctcccaaat 120
tgcagtgtca tatctcagga tgatttcttc aagccagagt ctgagataga gacagataaa 180
aatggatttt tgcagtacga tgtgcttgaa gcacttaaca tggaaaaaat gatgtcagcc 240
atttctgtct ggatggaaag cgcaagacac tctgtggtat caacagacca ggaaagtgtc 300
gaggaaattc ccattttaat catcgaaggt tttcttcttt ttaattataa gcccttgac 360
gctatatgga atagaagcta tttcctgacg attccatatg aagaatgtaa aaggaggagg 420
agtacaaggg tctatcagcc tccagactct ccgggatact ttgatgg 467
```

<210> 912

<211> 435

<212> DNA

<213> Homo sapiens

<400> 912

```
gatttggtga agtacctttt ggctaaagac caggcgaaga ttcccatcaa gcgctcggac 60
atgctgaagg acatcatcaa agaatacact gatgtgtacc ccgaaatcat tgaacgagca 120
ggctattcct tggagaagggt atttgggatt caattgaagg aaattgataa gaatgaccac 180
ttgtacattc ttctcagcac cttagagccc actgatgcag gcatactggg aacgactaag 240
gactcaccac agctgggtct gctcatgggt cttcttagca tcattctcat gaatggaaat 300
cgggtccagt aggctgtcat ctgggagggt ctgcgcaagt tggggctgcg ccctgggata 360
catcattcac tctttgggga cgtgaagaag ctcatcactg atgagtttgt gaagcagaag 420
tacctggact atgcc 435
```

<210> 913

<211> 332

<212> DNA
<213> Homo sapiens

<400> 913
 aaatctggga tataaattaa agatcatatg cacagatcaa tttatgttct tgtaataaac 60
 ttattagaaa ttggtgtttg tgatagcatt ttacttgggt tactagagat gcttctagta 120
 gaccttaatc tagcatagtt gaacctctga atatgggaag gttgtattcc cagattcttt 180
 cctgaataga tttgaattta atgtcatttg ggaactccag ggtgagttta ttgactacc 240
 aaactgtatt ttaccaataa atatgcatat gatctttaat tattgaagaa aataaagtga 300
 ggacttaaaa caattcatga aagtggacct tt 332

<210> 914
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 364, 365
 <223> n = A,T,C or G

<400> 914
 ccaaaaacaaa ggggctacag gcccacatgca agcccaaat ccagcggggc agtccttaaa 60
 tcttaaagca ccaaaaggat ctcccttctc ttcattgtct acaccaggc cacactgata 120
 caaggggttg gctcccatgg ctttgggcag ctcccttcga ggctggcatt gactgcctgt 180
 ggctattctg ggcacacatt gcaagctgtc agtggatcta caattccggg ggctggagga 240
 cagtggccct tttcccacag ctccactagg cagtgcacca gtggggactc tgtgtgggga 300
 ctccaacccc acatttccct tccacactac cctagcagag gtcctccatg acaccttgat 360
 ttennatttc taccctccag aactataaaa gaataaattt aagctactca gtttgtggta 420
 ctttgttaca acagcactag gaaactaata tagtttattt tctgaatt 468

<210> 915
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 915
 ctggtcgggc tttcgttgcc atggatacca aggatatccc tcagatttta caacagatct 60
 tcacctccac catgttgctg agtgtctaag aagtgccctt catcaccctg atgacaccag 120
 gatttgaaat aagacaggaa taaagagat tctgaaaaaa agaagatatg gatgaagtga 180
 acccatgcag tgactggatg attccggcat tctgggtct tccctacact gtcctgta 240
 gagaattcag agaagcagcc agaaggagac ttaaaccatg aaagatactc cactgatgag 300
 tttagaagtg attaggcaa gctagttgac ctgcacttta tcaaagggtg ggggttaaagg 360
 aaggtggttt tgagaactat gtgtttggc tatttccaaa aacctgaggg ggagaaaata 420
 ctttgctttt gccttaacac atcatctggt cacgttagaa aagtgacccc atcaaaactga 480
 gcctttgatg tcacattctg acacaagatg caagtctgt 519

<210> 916
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 916
 ccttaaccct tgccttggga gcccacaagg ataataacat ccctttctgg ggcaacaaaa 60

```

ctgggaccga gtgggtaact gatatttgac aggggaacct aaacagtcta cggaagtgtc 120
ctgagatggg cgtaaagtca aacagaccaa gcacacaggt aacactgaaa taggaaagag 180
taagagcttc tgttcaggct ggaggtgctc gtatgggtggg acaggaaagg ggaaaagaga 240
aaggggcaac atggcagaca taccacgggt cctacagaga ttaggggcag ccctggccc 300
ggaagtacac agggcagaga gctgactctc aggtcaggaa ggagtttagc tctgacccat 360
cctcagggac cacggctctc ccccgacctc ag 392

```

<210> 917

<211> 253

<212> DNA

<213> Homo sapiens

<400> 917

```

ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
cgagctgccg gcagaagctt ctcccaggtc ctcttgagat ttatgatata gatgccatca 120
cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaagtgg 180
gttcctgctg caaggaactt aaggacatcc tcctccttca ttgcaggac atcaagggtc 240
ccggacattg tga 253

```

<210> 918

<211> 324

<212> DNA

<213> Homo sapiens

<400> 918

```

cctgggatgg ctcttgggct tgagggacct ttctggcagg atggcaagca gacactggac 60
agggtcactt gggcggccga tatgccagct tccgactctt caggactgac cacttgtgcc 120
gctttatggt gtagaccagg ggcaccagca gagccatcat catcaacatc ttgagcccca 180
tgcgttttcg atggtcgtgc tctggctcag atgcccagcg caggaagggtg cacacatcct 240
tggtatctcg ggacatggta gctgggggtgc catcggtcaaa ctctaagaca tctgtgtaga 300
tgggaggggc catggcaatg gcct 324

```

<210> 919

<211> 363

<212> DNA

<213> Homo sapiens

<400> 919

```

ccagaaccaa ccaggagctg caggaaatta acagagtcta caaggaaatg tacaagactg 60
atctggagaa ggacattatt tcggacacat ctggtgactt ccgcaagctg atggttgccc 120
tggaagaggg tagaagagca gaggatggct ctgtcattga ttatgaactg attgaccaag 180
atgctcggga tctctatgac gctggagtga agaggaaagg aactgatgtt cccaagtggg 240
tcagcatcat gaccgagcgg agcgtgcccc acctccagaa agtatttgat aggtacaaga 300
gttacagccc ttatgacatg ttggaaagca tcaggaaaga ggttaaagga gacctggaaa 360
tgc 363

```

<210> 920

<211> 331

<212> DNA

<213> Homo sapiens

<400> 920

```

aaatctgtgt atgtgctcta tcacatttat tacttgtgta tattaaatca tccctgcatt 60
aatggcatga aaccacttg atcatggttg attttctttt tgatatgttg ttgaatttgg 120

```

```

ttcattagta ttttcttgag gattttttgca tctatgttca tcagggatat tggctctgtag 180
ctttcttttt tgttatgtcc ttccctgggt ttgatattat ggtgaaactg gcttcataga 240
atgatttggg ggaggattct ctctttttct atctttttgga atagtgtcaa taggattggg 300
accaattctt tgaatgtctg atagaattca g 331

```

```

<210> 921
<211> 201
<212> DNA
<213> Homo sapiens

```

```

<400> 921
ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag ggctttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga t 201

```

```

<210> 922
<211> 73
<212> DNA
<213> Homo sapiens

```

```

<400> 922
tcatgaactt cgcatacaaaa gacaattctt tatacaacag tgctaaaaat gggacttctt 60
ttcacattct tat 73

```

```

<210> 923
<211> 545
<212> DNA
<213> Homo sapiens

```

```

<400> 923
aaagcaagtc accttagggg ggctttaatt gtataagtca agcacatgta ataaattcaa 60
aacctgtagt taacaggata ttagacatca atcctggtaa ccaaataatta aagattctct 120
ttaaaaaaga ctgaacatgt ttacagggtt gaattaggct aaaaggctct gcagtggctt 180
ttcatggccc ttcaaattgg aatggaacta ctgtactttg ccatttttct ataaatcagt 240
attttttttt aatttttgata tacatttgtg gaaaaaagaa aatggctaata aaactgtatt 300
aaatcttaaa caatgtataa agattgtact tagccagttc aaagtgtata tttattcata 360
atgaattata acagttatat ttttgtgttt tcttgtaaat gtttcttttc ccttaaatac 420
agataattca tttgtattgc ttattttatt atgagctaca acaaaaggac ttcaggaaca 480
agtaatgtat tagtatgggt caagattggt gataggaact gtctcaaaag gatgggtggt 540
atattt 545

```

```

<210> 924
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<400> 924
ctgcttactt cagtctgggt tcttcaacca aaatatgtac cttataccaa aacaatgctt 60
attccaaaat attttttgta gctagtagtt ctttccttgg aggtaaagaa aatacaccca 120
aacttttaat taccaggatt cagaatattt aagagaacaa ttttagttaa gaatcaaata 180
tacagagatt caaagagggg aaaaaaagga aatattatag aagacaaagg tcaaactggc 240
attccagatc tggagcaatt ttgtaaagca ggaaaacaac tatgacaatc tgtagcttct 300
tagatcatta tagtgaatgt ccccatctac tataagtgtt tttataatgg tgtttcttaa 360

```

ataaaggaac ataaatgtac actaaagggt gtttcccaag aatagaggtg aagatatattt 420
catttt 426

<210> 925
<211> 372
<212> DNA
<213> Homo sapiens

<400> 925
ccttagggcg ggaacacttt tcaacccaag ccaggcttca ggggcaagcc caccaacaga 60
ccccaatttc cacaggggag gcagatcttc tatacctaca gtgacagaaa atacactaaa 120
gtgcagtata aaatataaaa aggtttgatt ctgaatagac caactgctaa ttttccttaa 180
aaaaattttt aatttggttg agtaaaaacc aaattagttc actgaatctc attttgtagg 240
taagagtctt atttgcaata cgaaaactgg agcttatgac tgctttgatt ttctctgtag 300
cacaggataa ccagtattag tggagaacac tacaaaagggt ggcttgtggt gagttctttg 360
catagtgggt tt 372

<210> 926
<211> 64
<212> DNA
<213> Homo sapiens

<400> 926
ccaattgggt tcaccgtctg ggggggctgc ttattagtct cctggactag gggggcaaag 60
agat 64

<210> 927
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 277
<223> n = A,T,C or G

<400> 927
ctgcggtgcc cgggtactgca ctgtgcgctg tctggggacc caccaggaga ccagggtgtct 60
gaagtggact gtgtgagcct gggcattccc agagaggaag ggccgctgtg cactgcccgg 120
ccttcagaaa gacagaattt catcacccaa tgcaggggga gctcttcctg gaccaaggga 180
ggagccgctc attcacccaa caaaactgtg tcttatctgc caggaaagac cagcctcact 240
cctgggaact gtctggcagg taggctgggc ccccantgc tgtagaata aaaagcctcg 300
tgccggaaaa aaaa 314

<210> 928
<211> 261
<212> DNA
<213> Homo sapiens

<400> 928
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
ctttagtgtt gtgtatggtt atcatttgtt ttgagggttag ttgtattagt cattgttggg 180
tggtgattag tcggttggtt atgagatatt tggagggtgg gatcaataga gggggaaata 240

gaatgatcag tactgcggcg g

261

<210> 929

<211> 495

<212> DNA

<213> Homo sapiens

<400> 929

```
gctttttgaa aagtttaggt taaacctact gttgttagat taatgtattt gttgcttccc 60
tttatctgga atgtggcatt agctttttta ttttaaccct ctttaattct tattcaattc 120
catgacttaa ggttgagag ctaaacactg ggattttttg ataacagact gacagttttg 180
cataattata atcggcattg tacatagaaa ggatatggct accttttggt aaatctgcac 240
tttctaaata tcaaaaaagg gaaatgaagt ataaatcaat ttttgtataa tctgtttgaa 300
acatgagttt tatttgctta atattagggc ttgccccctt ttctgtaagt ctcttgggat 360
cctgtgtaga agctgttctc attaaacacc aaacagttaa gtccattctc tggtagtagc 420
tacaaattcg gtttcataat ctacttaaca atttaataaa actgaaatat ttctaaaaaa 480
aaaaaaaaac ctgcc
```

<210> 930

<211> 88

<212> DNA

<213> Homo sapiens

<400> 930

```
ggcgaattca cttactgacc ggcttgggct gctctgagac atggaggaag ccagtgaagg 60
tggaggaaat gatcgtgtgc ggacctgc
```

<210> 931

<211> 460

<212> DNA

<213> Homo sapiens

<400> 931

```
aattaacagt gcgtatttgc ctgaagaagg tcagtgtgct tgcttggaga tcaggacgca 60
aaggtcacca tcagaaaagc taagtgtgct gtatagttag gatcaggaga tctgatcctg 120
attgcagaac cttccctgat tacagaatct tggatgattt cacaaaagtt catcttcatt 180
gcagatacct gcctttcttt ctagggttga tctcccaact cacccttcta gaccatccca 240
gaagatctat aagatttcat ctgggaaatc actaggagtt cttggaaggg aaagaaggaa 300
gattgttggt tggaataaaa acagggttga atgagttcca gaaagcaggg ttctcaacct 360
cgtggacagc aatctgcaga agaagagaac ttcaaaaaac caactagaag caacatgcag 420
agaagtaaaa tgagaggggc ctcttcagga aagaagacag
```

<210> 932

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 360

<223> n = A,T,C or G

<400> 932

```
cettacaaat aatactccaa tgaatcagtc cgtaccaaga taccccaatg ctgtaggatt 60
```



```

cccatcaaac agtgggtcaag gactaatgca ccagcagccc atccacccca gtgggtcact 120
taaccaaagt aacacacaaa ctatgcatcc ttcacagcct caggggaactt atgcctctcc 180
acctcccatg tcacccatga aagcaatgag taatccagca ggcactcctc ctccacaagt 240
caggccggga agtgtctggga taccaatgga agttggcagt tatccaaata tgcccatcc 300
tcagccatct caccagcccc ctggtgccat gggaatcgga cagaggaata tgggcccann 360
aaacatgcag cagtctcgtc catTTtatagg catgtcctcg gcaccaaggg aattgactgg 420
gcacatgagg ccaaattggtt gtcctggtgt tggccttgga gaccacaaag caatccagga 480
acgactgata cctgg                                     495

```

```

<210> 933
<211> 310
<212> DNA
<213> Homo sapiens

```

```

<400> 933
gccgaagata tgctcatgtg gtgttgagga aagcagacat tgacctcacc aagagggcg 60
gagaactcac tgaggatgag gtggaacgtg tgatcaccat tatgcagaat ccacgccagt 120
acaagatccc agactgggtt ttgaacagac agaaggatgt aaaggatgga aaatacagcc 180
aggtcctagc caatggtctg gacaacaagc tccgtgaaga cctggagcga ctgaagaaga 240
ttcgggccca tagagggtct cgtcacttct ggggccttcg tgtccgaggc cagcacacca 300
agaccactgg                                     310

```

```

<210> 934
<211> 64
<212> DNA
<213> Homo sapiens

```

```

<400> 934
aaaaaaagggt aagaaagggtc ttcaggagat ggtgagtttt attttgtctt gtctggatag 60
aggt                                     64

```

```

<210> 935
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<400> 935
agaagatggc tgtgccaccc acgtatgccg atcttgccaa atctgccagg gatgtcttca 60
ccaagggcta tggatttggc ttaataaaagc ttgatttgaa aacaaaatct gagaatggat 120
tggaatttac aagctcaggc tcagccaaca ctgagaccac caaagtgcg ggcagtctgg 180
aaaccaagta cagatggact gactacggcc tgacgtttac agagaaatgg aataccgaca 240
atacactagg caccgagatt actgtggaag atcagcttgc acgtggactg aagctgacct 300
togattcatt cttctcacct aacactggga aaaaaatgct aaaatcaaga cagggtacaa 360
gcgggagcac attaacctgg gctgcgacat ggatttcgac attgctgggc ctccatccg 420
gggtgctctg gtgctaggtt acgagggctg gctggccggc taccagatga attttgagac 480
tgcaaaatcc cgagtgaccc agagcaactt tgcagttggc                                     520

```

```

<210> 936
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<400> 936
aaagattata gaggttgcca ctgaaagaaa aattttacac agtcactgta catcaaggtt 60

```


<213> Homo sapiens

<400> 940

```
aagaaggtga tctaagggcc gcggcctcct ccacacacac acacacacca ggggaaccaa 60
gagaaccacg tagaatcctc aaccgtgcgg accatcaacc ttcgagaaat tccagttgtc 120
tttttcccag ccgcacccctg cctgtagatg gccggg 155
```

<210> 941

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 405

<223> n = A,T,C or G

<400> 941

```
ccacagaagt tgotgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaaatc agttcgtggg tgcatctgtg atgcaaactc gagcgttctc aacttggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagnaaacc taggacccaa 420
gcaccaaga ttcagcgtct tgttactcca cgtgtcctgc agcac 465
```

<210> 942

<211> 407

<212> DNA

<213> Homo sapiens

<400> 942

```
aaataaaaaa cttttcaaatt tttgcacaaa taatttaggc caatacataa ctagatttga 60
ataaagtcag atgaagcaat aattcctcct ctgtgtttga aaggaatgag tgtgggttaca 120
aagtcacagg atgagtcctt gggatctggg gtgggagaag ggggtggatca agaattgactt 180
gggcttggtc ctccctagca ggctgagggc gtgacacagc agctcgggtg cggagagggtc 240
tattctagtt tctaactctc caatgctaac tttttggatg tatttccttc tagcatgtag 300
aaagggcttt tcttggtctg caggaagtag ggagcaggga tgtggcatgg tgatgatctg 360
aggacagcca ggcataatgct cagacacttt ggaaaactgg ggagggg 407
```

<210> 943

<211> 259

<212> DNA

<213> Homo sapiens

<400> 943

```
ccaagaagca gtggccttat tgcattccaa accacgcctc ttgaccaggc tgcttccctt 60
gtggcagcaa cggcacagct aattctactc acagtgtttt taagtgaata tggctcgagaa 120
agaggcacca ggaagccgtc ctggcgccctg gcagtcogtg ggacgggatg gttctggctg 180
tttgagattc tcaaaggagc gagcatgtcg tggacacaca cagactattt ttagattttc 240
ttttgccttt gcaaccagg 259
```

<210> 944

<211> 192
 <212> DNA
 <213> Homo sapiens

<400> 944
 ccaggagggt cccccgacca ggttggggag acttggggcc agcgcttctg gtctggtaaa 60
 tatgtatgat gtgttgtgct tttttaacca aggaggggccc agtggattcc cacagcacia 120
 ccggtccctt ccatgccctg ggatgcctca ccacaccag gtctcttctt ttgctctgag 180
 gtcccttcaa gg 192

<210> 945
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 945
 tgatactggc tgagtttgca atagcagggtg gaaccctaac tattgaggga gtttgcagat 60
 acctcaggat tcgtgacaat gccttt 86

<210> 946
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 946
 cctgcgttat atactagaaa aatttcttca ttatatgcaa aatattttatc tcctctagta 60
 aaggagatta aagaacaact gcaagaggaa ggaaggctct gaaagtgttt catttggtat 120
 ctacctacc caaccccaag acataaagac agataaaggc actaagatgc tagtatgtgg 180
 ctagtccttt caataacca gtcagtccat acagataacc catgggatat attcaagcca 240
 ctctttgagc catcgatggg cattatttgg ttagttcacc caaggtaagg ccataccag 299

<210> 947
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 947
 ctgaagctgg gggcctgggt cctaccctgt ctggtcatga cccattagg tatggagagc 60
 tgggaggagg cattgtcact tcccaccagg atgcaggact tggggttgag gtgagtcacg 120
 gcctcttgct ggcaatgggg tgggaggagt acccccaagt cctctcactc ctccagcctg 180
 gaatgtgaag tgactcccca acccctttgg 210

<210> 948
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 948
 ccagcatatt ttgcgagtac tcaacaccaa catcgatggg cgccggaaaa tagcctttgc 60
 catcactgcc attaagggtg tgggccgaag atatgctcat gtgggtgttg ggaaagcaga 120
 cattgacctc accaagagg cgggagaact cactgaggat gaggtggaac gtgtgatcac 180
 cattatgcag aatccacgcc agtacaagat ccagactgg ttcttgaaca gacagaagga 240
 tgtaaaggat ggaataata gccaggctct agccaatggg ctggacaaca agctccgtga 300
 agacctggag c 311

<210> 949
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 94
 <223> n = A,T,C or G

<400> 949
 ctgcaatcca tttatttcat ttacaaaaga tttattgtaa gcctctcaat cttgggttttt 60
 cagttgatct taagcatgtc aattcataaa aacnagtcac ttttgtattt ttcacatctta 120
 agaatgctta aaaaagctaa tccctaaaat agttagatct ttgtaaatgc atattaaata 180
 ataaagtatg acccacatta ctttttatgg gtgaaaataa gacaaaaata atagtttttag 240
 tgaggatggt gctgagtaaa cataaaaact gatttgctct cag 283

<210> 950
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 950
 gaaaccttca cagtgaagtc ctgtcctgat gccatcaaag aggtcttcga caataaattc 60
 cacatcatcg gcgcagtggg catcggcatt gccgtggtca tgatatttgg catgatcttc 120
 agtatgatct tgtgctgtgc tatccgcagg aaccgcgaga tggcttagag tcagcttaca 180
 tccctgagca ggaaagttaa ccca 204

<210> 951
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 951
 aaaaagctag aaccaatgat aaatgatgca cttcagaaag aatccaagtt ccagaataat 60
 gtaattgtaa ttccatgtac cttaaagaat gaggttgtgt gtatttttatt tttcttaact 120
 c 121

<210> 952
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 952
 cctcacttcc tgtagcttgg ggtgttattt aagcttctgc catctggccc acattaaaaa 60
 atgtatatgc tttttctcct gttaatctgt ctattgtcag cttgttttat agattcaaat 120
 tcttaaacct tcaaggtcta gaaaggaagt tccttctacc cctccaatag tataaagaag 180
 tggagccttt tggtaggtga tagagtcag agggccctgc ctttaggcag agagttagt 240
 cctttataaa agaggcccag gggggcttgt ttgcccttc tgccatgtga gaacacagca 300
 agacagtgcc atctgtgaag tagagagtga gccctcacga gatgtggaat ctgctggtg 359

<210> 953
 <211> 516

<212> DNA
 <213> Homo sapiens

<400> 953
 aaatgactgt gctgcccctt tgcattcttac aaagttaaag agctaaaaga agtaaaataa 60
 gaaggcaatg cttgtggaat gtacagtgcg tattggcggc gcacgcctca ttacgattcg 120
 cctgcttgct tctcctgttc aatcgtttct ttggaaggca gtggattttt ctcttgctgc 180
 tctgtcttct tcagtttcga cttatcgaat ttctcgatct cagccatatac gggtttgtca 240
 gacatgggtg cggaggaaaa gcgaagcgag gcgcctgcct ttcccatctg tctatctatc 300
 tggctggcag ggaaggaaag aacttgcatg ttggtgaagg aagaagtggg gtggaagaag 360
 tggggtggga cgacagtga atctagagta aaaccaagct ggccaaggt gtctgcagg 420
 ctgtaatgca gtttaatcag agtgccattt tttttttgtt caaatgattt taattattgg 480
 aatgcacaat ttttttaata tgcaaataaa aagttt 516

<210> 954
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 954
 cctgacagac gcgggcagtg atgagccctg ttctggagtg gaaagagcac gatagagcac 60
 caggctaaga ggcacgagat caaggcggta gtcacttccg ctctgcagct agcatttcaa 120
 ccatatgtgg atccttttcat ttctcagctc cctggattcc ttcccctaaa ttaggacctt 180
 ttattttacct gtaggtaagc aagctactgt agctcttctg aggtatctgc caggctgttt 240
 tctgtagcct cagattgcct acctgcttag cctgagaaca ggtagatgaa aactaaactg 300
 atgcttaggc ccagggtcag tctcagatgg aagctgggac tgggtgggga ggctagcatg 360
 cgtggctccc tgggtatttc tgtcagtcac catggcaagc agtgatttag taaaacaccc 420
 cagagtcagg gaagccaacc accttgaaac ctttagaaca tctctgcttt ggagaaagac 480
 ccagagatca ggcagaggtg cagattcaat cattactcat aacctttgag agatggcaaa 540
 tgggaggagt gtttag 555

<210> 955
 <211> 173
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 54, 97, 119
 <223> n = A,T,C or G

<400> 955
 gctttttttt tttttttttt tttttttttt taggggaaaa taacttttat tganacccca 60
 ccaactgcaa aatctgttcc tggcattaag ctcttnttct ctttgcaatt cggcttttnt 120
 tcagtgttcc catgaatgct ttcttctcct ccattggtctg gaagcggcca tgg 173

<210> 956
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 956
 ctgaggagac tccggcgctc gccatggcgg acgaaaagcc caagggaagga gtcaagactg 60
 agaacaacga tcatattaat ttgaaggtgg cggggcagga tggttctgtg gtgcagttta 120

```

agattaagag gcatacacca cttagtaaac taatgaaagc ctattgtgaa cgacagggat 180
tgtcaatgag gcagatcaga ttccgatttg acgggcaacc aatcaatgaa acagacacac 240
ctgcacagtt ggaaatggag gatgaagata caattgatgt gttccaacag cagacgggag 300
gtgtctactg aaaagggAAC ctgcttcttt actccagaac tctgttcttt 350

```

```

<210> 957
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<400> 957
aaagaacatt tttattactt tcaagtttat acagtaatct ggcacaagct attgccagca 60
ttcctgccaa gtacaaatgc ttggacctcc ccttaatcaa cagataaaat acataactta 120
catttaaggg gagtggatac ctcaaagtgc ttaagtaaaa atttgttctc tttaatagtt 180
tgaactgtcc cttgttagtc gtgtctaaaa cattgacctg aataatgaga aatcacaaagc 240
taatgtttta cttattcctt atatggtaag agactacctt tt 282

```

```

<210> 958
<211> 209
<212> DNA
<213> Homo sapiens

```

```

<400> 958
ctgaatcaac tccaggtgcc cgtagtcgtg ataccaagag tagtagctgt tcaaacagat 60
cacatccaca tacggagccc cttgtctgct tgcatagtta gagttgctca caaaggctac 120
aggcggggag ggggtccaagg atttggtgtg agcgatcacc atcttcaagt agtagccagc 180
agattctagg tgggacgcag gctcgttg 209

```

```

<210> 959
<211> 576
<212> DNA
<213> Homo sapiens

```

```

<400> 959
ccatctgac tataaatgcg gtggcatcga caaaagaacc attgaaaaat ttgagaagga 60
ggctgctgag atgggaaagg gtccttcaa gtatgcctgg gtcttgata aactgaaagc 120
tgagcgtgaa cgtggatatc ccattgatat ctccttgagg aaatttgaga ccagcaagta 180
ctatgtgact atcattgatg cccaggaca cagagacttt atcaaaaaa tgattacagg 240
gacatctcag gctgactgtg ctgtcctgat tgttgcctgt ggtgttggtg aatttgaagc 300
tggtatctcc aagaatgggc agaccgaga gcatgccctt ctggcttaca cactgggtgt 360
gaaacaacta attgtcgggtg ttaacaaaat ggattccact gagccaccct acagccagaa 420
gagatatgag gaaattgtta aggaagtcag cacttacatt aagaaaattg gctacaaccc 480
cgacacagta gcatttggtc caatttctgg ttggaatggt gacaacatgc tggagccaag 540
tgctaacatg ccttggttca agggatggaa agtcac 576

```

```

<210> 960
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<400> 960
aaaagaaaca tgaaatcata aagcaaagct aacagccaac caacaaatac cgcctagcaa 60
tgatttccac tggatgtggg agagggttaa taaagacgct gttggtaacg cgtacagaac 120
tatcactggc aatcagcata ctgagctatc cagtggaggc cagcatcgtg tttttgctaa 180

```


<223> n = A,T,C or G

<400> 964

```
ctgagaagag tgaggcagcg cctccggccc ctccgtgtgac gcacagcact cctgtaactg 60
tctcagaacc actcctggag aaagacttcc ttgcaggagt gactcaagaa ttaatcaaga 120
ctottgaaga caactctgaa aagtgggctg tgattcccga tgcaggggat ggtgtggtca 180
agccctcgtc tagagcagac cccgccaga cctctgacac attagccttg aacaaccaga 240
tgggtgacca gaacaggact ccacacagcg tttgccacca gaaaccacaa gcaaaatctg 300
gatcttggga cctccaaact tatagcgctg accaacgcac aacaggaaac tgggaatctc 360
ataggaagag ccaggacatg aagaaaagga aatatgatcc atcttaactg aggctcaggc 420
cacataattg gactctgtca caaagggact ttggaaaact actttttggt catgaaaattg 480
ttcatcgctg ctggagaatg aacgtcattg caatttatct tgcttcattc tgaaccntta 540
tcaaaaggat ctgactgaga gcccaactgca gttagagctg agcacttttn aaaagc 596
```

<210> 965

<211> 400

<212> DNA

<213> Homo sapiens

<400> 965

```
aaattttaca cctttttctta agaatttctaa tgccgtctta agtttttata ccaataatgc 60
tgagctttta gtgtaggatc tggtagtaca gacagtgtga tggatgatgc tgctggttgt 120
aaatttcacc gtgtgtgtct aatttttttt cctgttgaat ggttaaaaaac aaaacaaaac 180
tttttttaga agatgaattt gctgtcatgt tttgtggaat gagggaccgt tgagctcact 240
accacctgga gtttgagttg aagcatgaaa atgggtgccca tgcctgacgc tccagcgctc 300
ggatctgcac gtgcccttgt agaggatcct taccgtccta gagagcagac gctttctgaa 360
aactacttgc tccaaaagac cctctgagtt aacgtttcag 400
```

<210> 966

<211> 268

<212> DNA

<213> Homo sapiens

<400> 966

```
ctgggggggt tctccagac caccggcctc ggccccggca tccctgttgg gcgtcagcct 60
gagagtccct actgtgcgtc agaatccacc ttgcgtgctg tgcgtatctg tgaacctgga 120
gcggttactt attttgacag atatcacttt gggctctttt acattaaatt tcttttctct 180
aaggaatata agacataccc catagctctg tgtgagccag caataaccgt gccccctggc 240
gacagggcag accaatgatg ccaggcag 268
```

<210> 967

<211> 544

<212> DNA

<213> Homo sapiens

<400> 967

```
aaaatactac atgacattct gtctattcaa tcacctgggtg gtcattcttc ttgtactaat 60
taactgttga tgagcatttt ggatattcta ggagaaagcc tataatttca catagtttct 120
ctttttcatg taactgtaac ctaaagtgtat tacttctgat aaaactatat atcaaagtgc 180
actgcaaatt agttttatat ctgtcatgtg agatttgtct tacttatttt tcttttggtt 240
gccatggaag ttatggccct gaaaatcgtc tccclccctc tctcttgctg tacagcatgc 300
gttctctttt tgtggttgct ggctgggtac tgtatttaaat gaagtagaga atagcacttg 360
caaaaatata gtcttggtac ctgagactg tcatgcagat agtataattt ggtatatgtg 420
ctaattgcatt gagtaaagga ttattttaac acactatttt gcttttgtat tttagttaaa 480
```

```
<210> 968
<211> 345
<212> DNA
<213> Homo sapiens
```

```
<210> 969
<211> 341
<212> DNA
<213> Homo sapiens
```

```
<400> 969
ctgcccaagg gcgttcgtaa cgggaatgcc naagcgtggg aaaaagggag cgggtggcga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ncnnaagaa 120
aaatgacaaa gaggcagcat ggagagggcc canccctgta tgaggacccc ccagatcaga 180
aacctcacco agtggcaaac ctgccacact caagatctgc tcttggaaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc canatatact 300
gtgccttcaa gagaccaa atgtcanagaa caaactacca g 341
```

```
<210> 970
<211> 345
<212> DNA
<213> Homo sapiens
```

```

<400> 970
aaacctctgcg tggcaatccc tgacgcaccg ccgtgatgcc caggggaagac agggcgacct 60
ggaagtccaa ctacttcctt aagatcatcc aactattgga tgattatccg aaatgtttca 120
tttgtgggagc agacaatgtg ggctccaagc agatgcagca gatccgcgatg tcccttcgcg 180
ggaaggctgt ggtgctgatg ggcaagaaca ccatgatgcg caaggccatc cgagggcacc 240
tggaaaaacaa cccagctctg gagaaactgc tgctcatat ccgggggaat gtgggctttg 300
tgttcaccaa ggaggacctc actgagatca gggacatggt gctgg      345

```

```
<210> 971
<211> 250
<212> DNA
<213> Homo sapiens
```

<400> 971
ctggagggct caccatgag ggacacgggt ggacaccac tgcttcacat gcctaattca 60

```

cattagaaac atgtaaagcc attcagtctg tgcaatagag agatcctgta tgaaatccac 120
tcattccttg gaggaagct ggcccggagg cacgctctgg ttgacgggtg acgcacagtc 180
ctccagggcc tgcattgcat ccatgacaca gacacacgtg aacacccagc ccgccggtcc 240
tagcagccag                                     250

```

```

<210> 972
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 972
ctgtatagca tcttcactgt aaaggaggta agtaactccc taagctagca tgtaagtgc 60
tgacattggg agaaaataca ttacaaagaa caggagctgg tttttggttt tccttggtgc 120
tgtgtttttg attgaagga tgtgggatgg tggtagacaga agtctgagca tagtttctga 180
ataattggag gggagatggg cattctttgg gactatgtcc gcattacatt gagttttctc 240
cctctaggaa gagagagttt gtgttttatt ttctgtaagt aaaagctaca tgtttaggat 300
tttt                                           304

```

```

<210> 973
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 488
<223> n = A,T,C or G

```

```

<400> 973
gcgcggtccg ttcaccgagg cctcagatga atgcggctgt taagacctgc aataatccag 60
aatgactact ctgatctatg ttgataagga aaatggagaa ccaggcaccc gtgtggttgc 120
taaggatggg ctgaagctgg ggtctggacc ttcaatcaaa gccttagatg ggagatctca 180
agtttcaaca ccacgttttg gcaaaacggt cgatgcccc aagccttac ctaaagctac 240
tagaaaggct ttgggaactg tcaacagagc tacagaaaag tctgtaaaga ccaagggacc 300
cctcaaacaa aaacagccaa gcttttctgc caaaaagatg actgagaaga ctgttaaagc 360
aaaaagctct gttcctgcct cagatgatgc ctatccagaa atagaaaaat tctttccctt 420
caatcctcta gacttcgaga gttttgacct gcctgaagag caccagattg cgcacctccc 480
cttgagtnga gtgcctctca tgatccttga cgaggagaga gagcttgaaa agctgtttca 540
g                                              541

```

```

<210> 974
<211> 578
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 499, 503, 550
<223> n = A,T,C or G

```

```

<400> 974
aaaaaaaaaa aaagtcacca gcaagtagtc ccgggtggga ggtgggagca gaataaaaaa 60
aatctgcaat gattcctaatt tgtttttcaa tacagaagct tgggaagggg tttctgccag 120
tttcatgagg aaggcacaac ttccaggtag tgttggggaa ggggatgagg tcctatgcag 180

```

```

gctggcctct tatcccacag atgccaagat gatgtctact ggcagctcct ccaaacttct 240
ggctgtcacc tgcattgtca ctgtgtccaa aagcagcagc cgggagcgca ccaggatgtc 300
atgaccaccc cggaacacac cagccaggag caacgtgtgg gtgttcttgt tatccggcac 360
tttgtctgac ctctcacaag ggtgcattcc caagaacttc acaatattac ccacagcctc 420
ttcaagtgtc ttgatggtag acaaggtgaa cgtttcctcc ttctcaaatt catcccctac 480
ctcatcccag gctgcttcna aanttcagtt tcatgacctt ttgaatgtga tcagctacag 540
taacttccan atcttccage acatactcat cctcatag 578

```

```

<210> 975
<211> 412
<212> DNA
<213> Homo sapiens

```

```

<400> 975
aaacctttat actccctga atgaatttga agaacgggta acagtggcct ttatacgaac 60
aatccaggca caactacaag agcggaatga ccctcagcaa ctgctattag atgccaagca 120
catgtttcct gttttgtttc catttaatcc atcttctcta accatggact caatccacat 180
cccagcgtgt ctcaatctgg aattcctcaa tgaagtctga agatgcatgt ttccagcatt 240
agtttgattc ccaatgtgag caagaaggaa gtatatacag taaagtaaatt tcaaggatct 300
gttaaactct gtaaaagtag atcaaactag agattgacag cctgtggagg gtgctgaact 360
atacagaatt agacacaact atgtcattat tttttgtacc tactgctcag aa 412

```

```

<210> 976
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<400> 976
ggcaggagaa tggcgcgaa cccgggagac gaggttgac tgagccgaga tcacgccact 60
gcactccagc ctgggcgaca gagcgagact tcatctcaaa aaaaagaaaa aaaaaggat 120
tcataaggta cctcgaggga tgatgaaatg agtaacttga caaatctttg gggcttggaa 180
aagtctactc tacatcactt ggggcagggc atgacatagc atatatattg gatacacatg 240
cctgacagcc cagtcttcat ttgaggaatc tgggatcaat acatgatcca aatcttggta 300
ctgtgggtct tgtatttggg tttccatgtg gatttcattt cggccagggc tggagttact 360
gtccctgttc atgatggtgg tgctggtgac ctatggggca tcctaacttc ctcccaggc 420
agatgtccct gctgcattgg 440

```

```

<210> 977
<211> 227
<212> DNA
<213> Homo sapiens

```

```

<400> 977
ccgggcaggt ccataattta ttatctcacc acaaggcaca atacacagag ctttgaggg 60
ccaatacagt catcgtgaca gaacgcaccg cagccttggc acatgatcat ggctttcagg 120
ctgcacgcac actggagcga gatgctttcc accgtgctgc tgtcagtga cttttgcaag 180
gaaagtgatg cactgtggct cgcaccaaag tttgctttgt ggctcag 227

```

```

<210> 978
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 978

```

```

gccaaagagg tcgaagtggg tctggaaact ttggtgggtg tcgtggaggt ggtttcgggtg 60
ggaatgacaa cttcgggtcgt ggaggaaact tcagtggctg tgggtggcttt ggtggcagcc 120
gtggtgggtg tggatatggg ggcagtgggg atggctataa tggatttggg aatgatggaa 180
gcaatttttg aggtgggtgga agctacaatg attttgggaa ttacaacaat cagtcttcaa 240
attttggacc catgaaggga ggaaattttg gaggcagaag ctctggcccc tatggcgggtg 300
gaggccaata ctttgcaaaa ccacgaaacc aaggtggcta tggcggttcc agcagcagca 360
gtagctatgg cagtggcaga agattttaat taggaaaca 399

```

```

<210> 979
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<400> 979
aaacttggga agagtcataa ttctgggatg tttcacatgt tgtcagcttt aaccttctac 60
agacacaggg cctctcctct gtgaggaggg acctctggca tgtgtgggtg tgtgtgggtg 120
ccctctccct attagcagaa atgtgttggg catgagccag gtttatgatt tggattgtgt 180
cctgcacata acacctgtga gaatacaact gggactagga caatgcggga agcatattct 240
tcatgaggcg gtaacaaaaa ggcttggcta taccaaagga ttctggtggc cgggcacggg 300
ggctcacacc tgtaatgcca gcactttggg aggccaaggc gggtagatca cttgagggtcc 360
aggagttcga gccacagcctg g 381

```

```

<210> 980
<211> 373
<212> DNA
<213> Homo sapiens

```

```

<400> 980
ccacaaatgg cgtgggtccat gtcatcacca atgttctgca gcctccagcc aacagacctc 60
aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaacia gcatcagcgt 120
tttccagggc ttccagaggg tctgtgcgac tagccctgt ctatcaaaaag ttattagaga 180
ggatgaagca ttagcttgaa gcaactacag aggaatgcac cacggcagct ctccgccaat 240
ttctctcaga tttccacaga gactgtttga atgttttcaa aaccaagtat cacactttta 300
tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggagggagag 360
agatgtactt ttt 373

```

```

<210> 981
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 473
<223> n = A,T,C or G

```

```

<400> 981
cctctcaga cactctcaag aggatgggga gatgacacca cttgggtaca aacttatgaa 60
gaaggtctct tttatgctca aaaaagtaag aagccattaa tggttattca tcacctggag 120
gattgtcaat actctcaagc actaaagaaa gtatttggcc aaaatgaaga aatacaagaa 180
atggctcaga ataagttcat catgctaaac cttatgcatg aaaccactga taagaattta 240
tcacctgatg ggcaatatgt gcctagaatc atgtttgtag acccttcttt aacagttaga 300
gotgacatag ctggaagata ctctaacaga ttgtacacat atgagcctcg ggatttaccc 360
ctattgatag aaaacatgaa gaaagcatta agacttattc agtcagagct ataagagatg 420

```

atagaaaaaa gccttcactt caaagaagtc aaatttcattg aagaaaacct ctngcacatt 480
gacaaa 486

<210> 982
<211> 448
<212> DNA
<213> Homo sapiens

<400> 982
ccagactcct ggaagagcag ggtcatgctg gctgggacac agtagagggg ttttatatct 60
ggagggtgat agggctgttc cctgctaccc tcctggatag tctgggaggt cggggagggc 120
tcgggtatga cgaaagatgt aatcctcggg tgtttccagt ccacagccac aatgctctcc 180
acccttttgc tcagctcctt cacctgtata atctgctect gctgcatttg ctgcaggaac 240
ttagagagct tttttagctg tgacttcttt atgtccagtt gtcgtccttc ggggcagcag 300
gagaacatgt ggctgccaag gaaagtgtct gtgagtaaag ggaggtcagc ctttttgact 360
cggcacttca aggcattgtg gaagcattgc tgtaacagct catccatttg ttcttgaagc 420
gttttgctat ctgtggagtc ttggttca 448

<210> 983
<211> 476
<212> DNA
<213> Homo sapiens

<400> 983
ctgcatcacg gggaacacag catctcctgg atgcaggaag ctgcaagcat ctggaatgct 60
tattaattta cccacaaaat aaatacaaaa ggtcaatctt cccagtggaa atgattccat 120
cgatttttgt gactttctga tgagaatgct aaaaagaaga gttgcccctt ttctaaaatt 180
ccaaatcttt cctttttgaa gatgactaca tgtgaaagaa ataaaaatgtg aaaagatttg 240
ttaaggatga ctggctctag taccaactaa atgccaaggg ggactgtaag tcaactgaggt 300
gacacaaagc agccatgggt tttcctcgcc ttttttatgg ggaaaatgca cttttcaatc 360
ctagaagata attggacttg gcaaagtccc tatcggtagc aactattttc ttactttaaa 420
aaaaaaaggg tgagctggga gccagactgt gcacatcagc caagattgct attgcc 476

<210> 984
<211> 333
<212> DNA
<213> Homo sapiens

<400> 984
ccacttggcc caggtagaag tagatgaagt gtttggtttc atgtgtcaca taactaccga 60
agttcctccc cactatgcaa tgccaggtgg gattgtactt cttgtcaa atccttcttga 120
tatgagccgc aatgtccttc tctatgttgt atttctccag cgctgagta gcgcactcca 180
ccgagtcttg ttgcatctct tccgacatgt ccgcattttt gatcacggcc tttcggtcgc 240
acatggttac cgtggagaag ggggctggcc gactgcaacg gtctcctggg ggaggtgcta 300
gcacagctca ggcccggcta gagctaccgt cgc 333

<210> 985
<211> 181
<212> DNA
<213> Homo sapiens

<400> 985
gggttatcga atggtggtga atgaaggttc agatggtgga cagtctgtct atcacgttca 60
tctccatggt cttggaggtc ggcaaagcga ttggcctcct ggtaagcac gttttgggga 120

```
<210> 986
<211> 382
<212> DNA
<213> Homo sapiens
```

```
<210> 987
<211> 531
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 7, 33, 34
<223> n = A,T,C or G
```

```
<210> 988
<211> 183
<212> DNA
<213> Homo sapiens
```

```
<210> 989
<211> 350
<212> DNA
<213> Homo sapiens
```

<400> 989
 ccaaaaaacaa aaaagaaaaa aaacatgaca tctgtcatgt aaaacctttt tttatcccta 60
 tgggacttga ggaacagaat cagtacttca gttattgtaa atagttagct aaacctcaaa 120
 tttctatcac ccagttgccc ttttcatgaa ctaaacaatt atctgtgtga ttggtatgtt 180
 tcaccaggtc actgctcatg tataacagta ctctttatct gtagatacct tttttgtata 240
 tatttattat tgtaaatcat gtgctgccac cagcagctctg taagtctaaa ctattaaatg 300
 acacatttat atttggaatt ttaattttta actaagcgat caagtttttt 350

<210> 990
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 990
 aaatgatttt tattacgggtg tggtcactta tttagatgga cattgctttt caaataaactt 60
 aaaataacac gttatgtgcc atgtggctac tttagtaata ttgccaagaa gagcacagtt 120
 ttacactag tggcatctca gtgaaattaa ccaaagatga agctttggct ttgctggtga 180
 gatcagagcc ctctgagca ggcagcgcca ctccagggtt cagacagggc tgcacaggcg 240
 gcagagatac aggggtctgag ggctgagacg ccatggggcc gctgctgctt atgtgggttg 300
 attgtttaca agcctcatta ttaaaactga aggcattttt tttttctgct gcctttccca 360
 aagtgggttag gtttggaata gagatgatga tggtaatat ttatttgtgc tttttaagcc 420
 atttcccaa atgggactag catgcttggt ttcagtatac cgtggcctgc ctcatgatgg 480
 tttggagata ctgtct 496

<210> 991
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 991
 aaaaaacttc gaaagtcaca gacacagaat ttaggaagct gaaggctgag agtctccctt 60
 ctacttaaat ccatgcttta ttttgcattc ctacacagga aggaggcagt gcctgttatg 120
 ctgtggacca aaaccagccc caggagctg atcttcaaaa aaatggaatt tactctggca 180
 tactcctatg tatgatacct ttccaaggcc aaatcccaag agaccagcaa gtgcaacttt 240
 gggcaatgat ccaaactctag aattagctgc caaataacct tggtagacta gtccctgggt 300
 gacaagcatg cttacaagag aaaaaggcag agctctcttc cagaaacttt ctctctgaca 360
 ttctgcata atctttgaga tctctgctct gtggatgtgc agttttgatt ttggacaaaa 420
 caacaggctc tgcttgcttg gtggtggaaa 450

<210> 992
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 57, 141, 157, 212, 442
 <223> n = A,T,C or G

<400> 992
 aaactgtcta aaaaaaaaaa aaaaaaaaaa aaaaaaagc ttgtacaaaa cctacanact 60
 tattttctct tggacacacc cacggtgctg ccacggcgcc cagtggctct ggtgtgctgg 120
 cctcggacac gaaggcccca naagtgacgc agccctntat gggcccgaa cttcttcagt 180
 cgctccaggt cttcacggag cttgttgtcc anaccattgg ctaggacctg gctgtatttt 240


```
ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta ctggcggtgga 300
ttctgcataa tggatgatcac acgttccacc tcatactcag tgagttctcc cgccctcttg 360
gtgagggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc cacaccctta 420
atggcagtga tggcaaaggc tnttttccg 449
```

```
<210> 993
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 381
<223> n = A,T,C or G
```

```
<400> 993
ctggaacagt atatgaagac ctgaggtata agctctcgct agagttcccc agtggctacc 60
cttacaatgc gcccacagtg aagtccctca cgccctgcta tcaccccaac gtggacaccc 120
agggtaacat atgcctggac atcctgaagg aaaagtgggc tgccctgtat gatgtcagga 180
ccattctgct ctccatccag agccttctag gagaacccaa cattgatagt cccttgaaca 240
cacatgctgc cgagctctgg aaaaacccca cagcttttaa gaagtacctg caagaaacct 300
actcaaagca ggtcaccagc caggagccct gaccagggct gccagcctg tccttgtgtc 360
gtctttttaa tttttcctta natggtctgt cctttttgtg atttctgtat aggactcttt 420
atcttgagct gtggtatatt tgttttgttt ttgtctttt 459
```

```
<210> 994
<211> 458
<212> DNA
<213> Homo sapiens
```

```
<400> 994
aggagggctc acagctcgaa gaaccatcat catcaagggc tatgtgcctc ccacaggcaa 60
gagctttgct atcaacttca aggtgggctc ctcaggggac atagctctgc acattaatcc 120
ccgcatgggc aacgggtaccg tggtcgggaa cagccttctg aatggctcgt ggggatccga 180
ggagaagaag atcacccaca acccatttgg tcccggacag ttctttgatc tgtccattcg 240
ctgtggcttg gatcgttca aggtttacgc caatggaaac tctagatcag aattgttgac 300
ttgcattcag aacataaatg caaaaaatct gtacatgtct cccatcagaa agattcattg 360
gcatgccaca ggggattctc ctcttctatc ctgtaaaggt caacaataaa aaccaaatta 420
tggggctgct tttatcacac tagcatagag aatgtgtt 458
```

```
<210> 995
<211> 402
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 398
<223> n = A,T,C or G
```

```
<400> 995
ccagtttcag ttcttcagca gaactgtctc ctttcttggg ggccgagggc ttcttgggga 60
agaggatgag tttggagcgg tactccttca gccgtgcac gttggcctgc agggactccg 120
tggaattgtt ccgctctctc ggatccacag aaatgccgat ggtcacctgc ccgggaggcc 180
```

```

gcccgggcag gtaaaaaaaaa aattccagaa tgggtaagag aacaatcatc aaggatgtag 240
gtgccagaca cagggcagaa ggtagctaga aaagtatgcc ttagggaagt taaaggtcta 300
gcctcattcc taccttggtt taatagctgt acctaatata aatagctaag tttcccattg 360
ttctagattc ctctgcccc tctacaaaca tggcacanc ag 402

```

```

<210> 996
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<400> 996
ctgtttcaaa gttgggggtct gttcttgaat cccctattaa ttactgtgtg tgagccagag 60
ggagctgtgg taaggggttg gccccagcc ttaggggaac tttctggact cccactcttt 120
gaatcgatat aggcatttgg tctcactact tgaccattct caccctgtga aacgtcccac 180
actttgaagc aaatacaatt cacagcacag tacacacaaa aaccttggca taagacagag 240
aaggttcttc ttattttgtg ggctgggtgc tgtagaaaca cataacaaag ggcagccctc 300
cacttctggg ataattgtgt agcccctttt ctttgggctt gacacctgtc ttgaataaga 360
gtgattagag ctgcataatg tccctctctt ggctattgac catgtgggtc acgtacaaaa 420
ctctgtataa gttgaaggaa aatgttcatg ttcatatgta cttgtttgct atgactacat 480
tttgagg 487

```

```

<210> 997
<211> 529
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 411, 485
<223> n = A,T,C or G

```

```

<400> 997
cctgacattc ctgccttctt atattaataa gacaaaacaa aatagtgttg aagtgttgga 60
gcggcgaaaa tttttggggg gtggtatgga gagagaatgg gcgatgtttc tcagggctgc 120
ttcaagtggg attggggcgg cgtgggaaca taaagtggga gagattaagc tgaaggggaag 180
tcttgtggta agggatgata ttgtggggat gttagaagaa acatttgtca tatagaatga 240
ttggtgatgg cctggacaca gttttggatg aactgagaag ctaaatggaa gatacaaggt 300
ctgaataaaa ggaggagaaa aatgggtatt aaaggactaa gaattgggag gacccaggac 360
atccaattag agagtgccca agggggttca gcgtaattac ttgcttgggt ngcaagtttt 420
tgggctctat ccttgagttt ttttatgttg tcatacacca ggccagactg atttaggtaa 480
aaacnacact cctcatttaa gaatatgcag agtcctcctt tttcagcag 529

```

```

<210> 998
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 496
<223> n = A,T,C or G

```

```

<400> 998
ccaggctggg tttgatctcc tgacctcaag cgatccactg tcctcggcct cccaaagtgt 60

```

```

tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180
aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctgg gtaggtttac atccatcatg ttctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccaactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgacg 420
cgatgctcaa ggatcggtcc caggttcacg ataggtatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaatnagac tctaggggc 509

```

```

<210> 999
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 71, 90, 154, 157, 159, 197, 215, 247, 256, 269, 299
<223> n = A,T,C or G

```

```

<400> 999
tttttttttt tttttttttt ttttttctgg gaaaagtctt ttttaataaaa aagttctagt 60
acatatacac nattgtcctc acccttcatn tatagcaacg caacagggaa aataaaaaat 120
aaggggcaac ctaggcacac tcagtataaa aacncanana tccatccgaa tgggagggcat 180
tggggctctg aaaccanaaa tgcaggacgg ccagnngggc cagcagctct gggctgcact 240
tttgaanaac tttctntaac gttttgaana tagcattaaa aaaaaaaaat taagttgcnc 300
caggagg 307

```

```

<210> 1000
<211> 269
<212> DNA
<213> Homo sapiens

```

```

<400> 1000
ccaaacagaa gagaaggcag aggccaccca agagctgatg ctgcgcagtc cttgggggat 60
cactctccgg tctcactggg gacgaaccca ggttctggag cctctccctt gacagacagc 120
ttgtcacccg cacttatggg tcctctggga tttcagacaa taccacactt ctgtagggtc 180
agaaagtgtt ttcaagcagg cagtggcacc cacaccgggt gggacacacc tcctgggtcc 240
gaaaccactc catcatgtgg ctgggtgtgg 269

```

```

<210> 1001
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 248, 250, 256, 265, 414, 448, 462
<223> n = A,T,C or G

```

```

<400> 1001
ccatcaaggc agcaaatcta atgactccgg ggaagaagca gaaaaagagt ttatTTTTTgt 60
gtaaagggtc cccacgcaga agtcttccgt tgcagggtgc tttggtagcc atcagagagg 120
aaccaagggc aacatctttt ctccccaggc gttcttctct ggggtgcttta ttctcttctt 180
tttctttatt tcgccccac ccccatcccc tgcctttttt tttttttttt 240

```


<210> 1005
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 1005
 ccagggtgagg ccagggaacct acgggcctcct ttgtgtttgtc catggaagac caacttccgg 60
 gcaactgaag ggagggtttgt aggggtccact aggacccctt ggagcatctt ggaggaggtc 120
 tgcggacatg ggggctgggt ggcaaaggaa atacagacct caaagtggcc tacaactccc 180
 tccagggtgg gtccctctga gggatattcc caggccctt ggaagggtaa ggacggggg 240
 ctttgccctc cagctttgtc ttccggtagt taaggcgctt gaaagcttcc aggtcccgt 300
 gggtgcccat gatcagccgg ttcagggttg agagctcaac gatgaggcca cgcacgacgt 360
 tggtggcatc ctccatcctg gagg 384

<210> 1006
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 1006
 ccgaagtga ctggcccttg ggtcagctct gtgggaggac ggtgcaaccc aaggactgag 60
 ggactctgaa gcctctggga aatgagaagg cagccaccag cgaatgctag gtctcagact 120
 aagcctacct gctctccaag tctcagtggt ttcatctgtc aagtgggatc tgtcacacca 180
 gccatactta tctctctgtg ctgtggaagc aacagggaatc aagagctgcc ctccctgtcc 240
 accacctat gtgccaactg ttgtaactag gctcagagat gtgcacccat gggtctctgac 300
 agaaagcaga tacctcaccg tgctacacat acaggatttg aactcagatc tgtctgatag 360
 gaatgtgaaa gcacagactc ttactgctaa cttttgtgta tcgtaaccag ccagatcctc 420
 ttggttatatt gtttaccact tgtattatta atgccattat ccctgaattc cccttgccac 480
 cccacccctc ctggagtgtg gctgaggagg 510

<210> 1007
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 1007
 cctgattcac tggcctggcg gagatgcttc taaggcatgg tcgggggaga gggccaacaa 60
 ctgtccctcc ttgagacca gccccacca agcaagcaga catitatctt ttgggtctgt 120
 cctctctgtt gcctttttac agccaacttt tctagacctg ttttgccttt gtaacttgaa 180
 gatatttatt ctgggttttg tagcattttt attaatatgg tgacttttt 229

<210> 1008
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 1008
 aaagaaaaag aaaaaagaaa gtggaagtgg tattccccac ccctccctgc acccatgtgc 60
 ctgggcttcc cctttatttc ccttttccat ttaccccgta atgtgtctct acagctacct 120
 taccactgag ccgtaagaca aatgtatagg aagaagcaaa gtctacagca catagtcttt 180
 gtaagggtat gatgtgaaca cttttttttg gatgcactaa ggagttatca atacttctgg 240
 ctttatgaga gctcttaaat tttgtctaaa aaaccaaagg gctgtgagta agggagctat 300
 gtggaaagtg ggactctgaa gtgtattttt aaaattlaat gccaccctct tccaaattat 360
 agaatttttt 370

<210> 1009
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 499
 <223> n = A,T,C or G

<400> 1009
 tgcgagtgga gtgtccgctg tgcccggggc tgcaccatga gcgtcccggc cttcatcgac 60
 atcagtgaag aagatcaggc tgctgagctt cgtgcttata tgaaatctaa aggagctgag 120
 atttcagaag agaactcgga aggtggactt catgttgatt tagctcaaata tattgaagcc 180
 tgtgatgtgt gtctgaagga ggatgataaa gatgttgaaa gtgtgatgaa cagtgtggta 240
 tccctactct tgatcctgga accagacaag caagaagctt tgattgaaag cctatgtgaa 300
 aagctgggtca aatttcgcga aggtgaacgc cgtctctga gactgcagtt gttaagcaac 360
 cttttccacg ggatggataa gaatactcct gtaagataca cagtgtattg cagccttatt 420
 aaagtggcag catcttgttg ggccatccag tacatcccaa ctgagctgga tcaagttaga 480
 aaatggattt ctgactggna tctcaccact gaaaaaaagc acaccctttt aagactactt 540
 tatgaggcac ttgtggatt 559

<210> 1010
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 1010
 ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
 catacttccc ccattattcc tagaaccagg cgacctgaga ctcccttgacg ttgacaatcg 120
 agtagtactc ccgattgaag cccccattcg tataataaatt acatcacaag acgtcttgca 180
 ctcatgagct gtccccacat taggcttaaa aacagatgca attcccgac gtctaaacca 240
 aaccactttc accgctacac gaccgggggt atactacggc caatgctctg aaatctgtgg 300
 agcaaaccac agtttcatgc ccatcgctct 330

<210> 1011
 <211> 517
 <212> DNA
 <213> Homo sapiens

<400> 1011
 aaaaaaacaa caacaacatt ttttcaacaa tttcaacaat gacacaaaaa ttcacatgga 60
 aatggggaag atggtctgtt ttgacagaaa ctgacaggaa tcaatcaaaa caatcgaatt 120
 ttgaattgag taaagtgcaa tttcattgga tagctaaata tctttgtaag atagagattg 180
 ttgaaaattc tatttttgtt tttctagtcc tttcacccca ggactctaaa ttattggggt 240
 aaaaaacagc cttgcaagaa aaaggggagc tatttttgcg ttttatgttt tttattgtta 300
 aacttgtatc ctttccacac cattaggtga tgctttggac agaacagagt attttcatct 360
 tgtgtttcca tcagaataac tacaagccat actgaggcgg cagcaggagc gaccaactga 420
 tcgcacacat gctttgtttg gatatggagt gaacacaatt atgtaccaa ttttaacttg 480
 caaactttct attgcctgtc ccatgtgcct cttattt 517

<210> 1012
 <211> 308

<212> DNA
<213> Homo sapiens

<400> 1012
aaacttggca ttggctatct tcacacattc ctcaagcggt gtgatgaatg tgttacacgt 60
ggcactaagc agagaagagg cttcattcat gttctctgca ctaggagatg aatgattctc 120
atcatggtga acaaattcct gtatcgtatg aacttgctgc attaagaggt cacagtagag 180
gcgaagttca gacatcttgg ttttcagcga ttcactgggt tcacttattt ctttttcttt 240
tttagtcctt gtatcagtca aacatgcctt ggagctcccc agagcgacca gccacctctg 300
tctttcag 308

<210> 1013
<211> 422
<212> DNA
<213> Homo sapiens

<400> 1013
ctgatttata atcttctaaa ggaagaacag accccccaga ataagattac agttggtggg 60
gttggtgctg ttggcatggc ctgtgccatc agtatcttaa tgaaggactt ggcagatgaa 120
cttgctcttg ttgatgtcat cgaagacaaa ttgaaggagg agatgatgga tctccaacat 180
ggcagccttt tccttagaac accaaagatt gtctctggca aagactataa tgtaactgca 240
aactccaagc tggtcattat cacggctggg gcacgtcagc aagagggaga aagccgtctt 300
aatttgggtcc agcgtaacgt gaacatcttt aaattcatca ttcctaattg tgtaaaatac 360
agcccgaact gcaagttgct tattgtttca aatccagtgg atatcttgac ctacgtggct 420
tg 422

<210> 1014
<211> 344
<212> DNA
<213> Homo sapiens

<400> 1014
caagttcttg ttattttccaa atagaatgga cttggtctgt taagggctaa ggagaagagg 60
aagataaggt taaaagttgt taatgaccaa acatttctaaa agaaatgcaa aaaaaagtt 120
tattttcaag ccttcgaact atttaaggaa agcaaaatca tttcctaaat gcatatcatt 180
tgtgagaatt tctcattaat atcctgaatc attcatttca gctaaggctt catgttgact 240
cgatatgtca tctaggaaaag tactatttca tggtcctaac ctgttgccat agttggtaag 300
gctttccttt aagtgtgaaa tatttagatg aaattttctc tttt 344

<210> 1015
<211> 464
<212> DNA
<213> Homo sapiens

<400> 1015
cctggggctg ttgagacggg agatgtcccc actgtgctgc tcctggtttt gtctcctctc 60
caatccttga gcaccctgat atgcaacatg gggggtaatc agaaggagga ggcagcctct 120
gatgaggcaa cggctgaggg tgggggcagt gtgtaaggca ccttttgctg tcagcccggc 180
cacactccat cgccagagag aatgccaaag tgtagactga atgaaattct gtaggcaaat 240
ggtaaattgg agctgggcca gtagctattt gcatgggtgg attatatcat gttaaggga 300
ttctttatct cagcagaggg aacagaggaa tatcttggct aagggtcatcc tgccagtcag 360
gagaagccac cctccaggga ccacagactc aaagtggctg tgggtggagac ccaccgcctg 420
ggtaggggga tgtcaagaca ctgagagggt tccatctgca gtgg 464

<210> 1016
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 1016
 aaagttaacc acagcataat gaatcctcaa cgtccagagt tctacaaaaa tccagcaaaa 60
 cttacttttg ctcattcatc agttctatgt cactccttag ttccctaaa aaaatatggc 120
 ttataaaaaa gtagcttcta taattcacia aatgaagagt ttattataa tttagatc 180
 atctctgtat caccgacagc acagctttag aaaattattg cttttcttat tatcttatta 240
 ttccaggttt cattacacat cgagtaccca tgcaggactc actacattgt ataataacta 300
 tgatctatag tgataaaaaat atagaagtat ctttgatttt aatcctaaaa gcagggggaa 360
 aaagtcacct tatcttaatg ttaacaaaat caagagctac ccctaataa tcgatcaaac 420
 cacttcttat ggctttgctt atagttgctc atgggtcctt caaaatgatg tggtagctac 480
 cttcttttct gacaaaggat tatttt 506

<210> 1017
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 1017
 ccacagaaag ttccataaac aagtgtactg ttttaaccaat tcccttctat taccacaaca 60
 atatgtaccc aggggtttat gtatacactt aagatttggg ggaatgcaaa agggaaggg 120
 gactgttttag aatttccttg gaaatgtctg tgcacattac aacgtcccac ggagccaaat 180
 tccttccaaa ctgatgagca agctcttgat tcttgagtca tgatgttatt ttcttcta 240
 ttttccgaac cgtctttgtt tgactggaca ccatattgac agcttcagat ggtaggccaa 300
 catatactcc tccatagttt ctctcttgt catctctgt tactggattct tctgttacat 360
 ctttggctgc tcctgcaggg ccttggcccg cgccgcgcgt ggtggcgg 408

<210> 1018
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 1018
 cctcctcaga cactctcaag aggatgggga gatgacatca cttgggtaca aacttatgaa 60
 gaaggtctct tttatgctca aaaaagtaag aagccattaa tggttattca tcacctggag 120
 gattgtcaat actctcaagc actaaagaaa gtatttgccc aaaatgaaga aatacaagaa 180
 atggctcaga ataagttcat catgctaaac cttatgcatg aaaccactga taagaattta 240
 tcacctgatg ggcaatatgt gcctagaatc atgtttgtag acccttcttt aacagttaga 300
 gctgacatag ctggaagata ctctaacaga ttgtacacat atgagcctcg ggatttacct 360
 ctattgatag aaaacatgaa gaaagcatta agacttattc agtcagagct ataagaaatg 420
 atggaaaaaa gccttcactt caaagaagtc aaatttcatg aagaaaacct ctggcacatt 480
 gacaaatact aaatgtgcaa gtatatagat tttgtaatat tactatttag tttttttaat 540
 gtgtttgcaa tagtcttatt aaaataaatg tttttt 576

<210> 1019
 <211> 602
 <212> DNA
 <213> Homo sapiens

<400> 1019
 cctgggactg atgcaagaca gccagccagt cacctccgcc tcccatgaac ctcttgga 60


```

acttctcctg tcccacttct gccaccctcc agctccttga gagagccaga gttgagaaga 120
aaatgagcct gaagttgaaa gggaaagtcc ttgcctgaaa cagtgtctggg aataagtcca 180
gaccatttcc ctcaagagcc acctcttcac tccttaagcc agaggacacc acaaagacac 240
agttaatggc ctctcatgcc actcctcagg ttgcttgtga gggcagccag tgagggactg 300
caggatttca gggaaagtagc tcagatggcc cactcagaac ttctgtaaga atttgaggac 360
aagggtccgc agtcgcactc tgagcatctc gtcattgtcg cagatgatat gggtcgagtc 420
ttcttcaatc tggatgagcg tctcagcctc ctggagcagg acgatatggc ccttggctgt 480
gtcctccacc ttaatatcac tgaagccatg ctgctccaga agaaaagaaa gaggtgggct 540
gggcagactg cacatctgtg agatctgtaa atgacacttc acagactcga ctgaactttc 600
ta 602

```

<210> 1020

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1020

```

caaaaatcct tgaaatacct gggcacagtg gcacacctat aatcctagca ctttgggagg 60
ctgaggcagg cggatcacct gaggttggga gttccagacc agcctgacta acacggtgaa 120
accccatctc taatgaaaat acaaaaaatt agctgggcgt ggtggcgggc gcctgtagtc 180
ccagctactg gggagctgag gcaggaaaat cacttgaact cgggaggtgg aggttgcagt 240
gaaccgagat tgcaccactg cactccagcc ttgtgacagt gagactccat ctcaaaaaaa 300
caaaaacaaa aacaaaaaca aaaaaacact gacctgatat ccaagcttta tgtgaataaa 360
aatgtaactt accatcaaat agtcaataaa aaaaatatga aatggacaa ggttattgaa 420

```

<210> 1021

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 442

<223> n = A,T,C or G

<400> 1021

```

ccaggagcta aacaatttga ggtcaagatg tggcgttaac aatgttccca cagatcacag 60
aaacacaagt ggacagcaga ggcccttctt gcactagtac ttctacctgg atggggcctc 120
agaggctctga ctttccacag gagaagaaaa tctttgagag ccaattttac tgctgggtgc 180
cgatgttttc ctcaactgtc taaataaatc ttcagctaataaacatttca ataaatctgt 240
tctggtgcct tccattcctt aaactatata gccagagaag atggaacata tgagcttggga 300
ttctgtctct gtacgggatg cagggatata agtgagctga gttttacaca ttccaaaggg 360
gccactgata aggtacttcg ggatgcactc caagtgtcct ggctaattaa gataaaccaa 420
agattagacg gcatttctgg cngggtgcag ttggtcacgc ctgtaatccc agcacttttg 480
gaggccgagg caggtggatt actaggtc 508

```

<210> 1022

<211> 166

<212> DNA

<213> Homo sapiens

<400> 1022

```

cggccgagct gacgcaaaca tgcagatctt tgtgaagacc ctcaactggca aaaccatcac 60

```

```
ccttgaggtc gagcccagtg acaccattga gaatgtcaaa gccaaaattc aagacaagga 120
gggtatccca cctgaccagc agcgtctgat atttgccggc aaacag 166
```

```
<210> 1023
<211> 441
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 390, 391
<223> n = A,T,C or G
```

```
<400> 1023
tttttttttt tttttttgtt gtcccagatt tattgaaaat aatacagcac tacagaaaaa 60
attcaaacag gtccccgagg cgttttgaaa ttcaccccaa ctgtaggctg agtgacctga 120
aggttggaca gactgccgaa gtccaaaagc ttcagcattt ccttagtgtc aggatctact 180
tcaataatct cctgatccaa ggctgagacc tcaggaaacat aattgtctct cctttctctc 240
tcctcctcct gcagcttgat ggagatacct ctactgggc ctctctgaat tcgcttcac 300
agatgcgtga cataacctgc tatcttggtg cggagctttt tgctggggat aatggcgatc 360
tcctcgacac cgcgcttggt cgtgtggaan ntcgttgccc aggcgcgtgt agtacttttc 420
tatgatgacc cgggccgcct t 441
```

```
<210> 1024
<211> 135
<212> DNA
<213> Homo sapiens
```

```
<400> 1024
cctgcccatt gccggcaatg gactttgaga aaaccattt cctggcacc aaaagttaaa 60
ttactctttt caaacatac cgatctcccc aacacttgca aaagtattac atgcaccatt 120
ttcccacat tcttt 135
```

```
<210> 1025
<211> 340
<212> DNA
<213> Homo sapiens
```

```
<400> 1025
gtagaacact aattcataat cactctaatt aattgtaatc tgaataaagt gtaacaattg 60
tgtagccttt ttgtataaaa tagacaaata gaaaatggtc caattagttt cttttttaat 120
atgcttaaaa taagcagggtg gatctatttc atgtttttga tcaaaaacta tttgggatat 180
gtatgggtag ggtaaatcag taagagggtg tatttggaac cttgttttgg acagtttacc 240
agttgccttt tatcccaaag ttgttgtaac ctgctgtgat acgatgcttc aagagaaaaa 300
gcggttataa aaaatgggtc agaattaaac ttttaattca 340
```

```
<210> 1026
<211> 234
<212> DNA
<213> Homo sapiens
```

```
<400> 1026
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaaagt ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
```

caagatcctg agtgacatgc gaagccaata tgaggatcatg gccgagcaga accggaagga 180
tgctgaagcc tggttcacca gccggactga agaattgaac cgggagggtcg ctgg 234

<210> 1027
<211> 519
<212> DNA
<213> Homo sapiens

<400> 1027
ctgtgtagta aagatgcctt ctgggtgaatt tgcacgtata tgccgagatc tcagccatat 60
tgagatgct gttgtaattt cctgtgcaaa agacggagtg aaattttctg caagtggaga 120
acttggaat ggaaacatta aattgtcaca gacaagtaat gtcgataaag aggaggaagc 180
tgttaccata gagatgaatg aaccagttca actaactttt gcaactgaggt acctgaactt 240
ctttacaaaa gccactccac tctcttcaac ggtgacactc agtatgtctg cagatgtacc 300
ccttgttgta gagtataaaa ttgcggatat gggacactta aaataactact tggctcccaa 360
gatcgaggat gaagaaggat cttaggcatt cttaaaattc aagaaaataa aactaagctc 420
tttgagaact gcttctaaga tgccagcata tactgaagtc ttttctgtca ccaaatttgt 480
acctctaagt acatatgtag atattgtttt ctgtaaata 519

<210> 1028
<211> 238
<212> DNA
<213> Homo sapiens

<400> 1028
ctgctaggag cccacctgtg ttcttctga ggggtggggg caccctagtc actgcctaga 60
ggcacatggt ccccccaccag cctacagcat ggaaacaccc aatgtctgct ctagcctatt 120
cttaaccac aactgggatg ggagctgggg acaggagaag gggatcatggg gccaggagcc 180
tattcaggct ctacaaccag acttccttag agaggccccg tgccagttag tccaatgg 238

<210> 1029
<211> 351
<212> DNA
<213> Homo sapiens

<400> 1029
ccagaatggg ctatgtgtca cagtcctcgg ggacagcagt gcgttttgtg gtgtgctgta 60
tgctcgtgtg tgtgctgtgc tcgtgtgtgt gctgtgttca tgcgtgtgct gtgtgttgtg 120
tgtgtgtagc tgcgggggatg cataaagtat gactgctttt taggatggga attgagatgt 180
aagatttggg ggtgagggtc gtgccaatta catttcattt gcatggattt tggttttcat 240
gctctgtcct cccctccttt ggtcttactg ggtccctctg actgctctgt gatttttagt 300
gatggaaaag ggagtgagga gccagtcctg gttgttgcta ttttcggatg g 351

<210> 1030
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 517
<223> n = A,T,C or G

<400> 1030

```

aaaattgata ataatgctga attatcttaa gtgagatgtt aagcccaactt tgttctttta 60
atgtaatgga gcttatgggt agaagaccat gtctactaat tacaaaaaaa aaaaaaaacc 120
atgcattgct gcttttcccta ccacttccag taagaaaatg ggtgttttga agaaatcatt 180
tgccttgtcc tcacggaatc tgattaagcc ctggcctctt gattgtatag agtcattgtg 240
tatattccag ttacctagat attcccttga gattttgata caatttgagg gaggcagaag 300
tctgcagttg aagaaaaaaaa ataagtctgt ttgtcatatt taagtagcct gtggctattt 360
ttatactgat ttgatatca tgttcttttc atagtcgtat ttggccaccg taaacataaa 420
aaaaaaaaag atttccaaaa tgccgttttc agaacctggg ttttaatagc agtattgaat 480
ttgtaagctt agtagttgca gaaattgaac actagngggc actca 525

```

```

<210> 1031
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 1031
ccttggtgat acacctcggg ctcaaagggt atcagggtgca gctcctcagt cacaatcagg 60
gaagcatcac aattggctcg gccccattc ccacatctct gctccctcag ggtcaagtgt 120
ttgaattctg cagagaggct gccgttgttg gattcttcca tgttcatcac ttttgtgttt 180
gtgcccagaa tgttaaattt ccgggatcct ctgagagctg caacgtcccc agagtctttg 240
tcaatgcaca ctttaatttt aagctgataa ttcaactcag ggaatttgac cagcaacctg 300
acttttagtag tgaactggac gccgttcttg atgacgaggg gccggtcagg atgcatgggc 360
atgcagggct gccgctccac cacaaaggca cttttcatta agtttctaaa cagctccacg 420
attctctcct ccagcatcgg ccggtgctgt acaatggggg cccttttgta ggaaactttt 480
tgctg 485

```

```

<210> 1032
<211> 326
<212> DNA
<213> Homo sapiens

```

```

<400> 1032
ccatacaagg taattttgac aggttccttg gattaggaca tgggcatctt gggaggccac 60
tactggccta ccacaactgg gcagcaaaac tattacaccc tccggtataa tagttttggg 120
gtttcaatga ctggggggaa aagggttga attttttgc tttgggtccc tcttaacctt 180
gtatttttaa ggtctgggac tcaccaaccc tcccttcca accagagaaa ctactgcag 240
tatctccttg aaagtctggg gacgtgtctg tctaagtgt ggtgagaggg acaggaccaa 300
ctgagggcct cacgcagtac cctgg 326

```

```

<210> 1033
<211> 345
<212> DNA
<213> Homo sapiens

```

```

<400> 1033
ccacacagac tcaccaagcc acagacttgt cttccacaag cacgtttctta ccttagccac 60
gaagtgacca agccacacgt actaaagggt gaactcaaa atatgtacag ggtattaaac 120
aaataccaag gggaacagtt aacttcaata caaggtaaaa atcagcaaca agttctacaa 180
tccagtgtcg atatcagata caagcttcaa ggacaatttc ttttgaagg cttattccag 240
tttcgtgagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
acccatgcag caaatgctac gcactgtctg agtccgttta gaagc 345

```

```

<210> 1034
<211> 345

```


actatacatg	aatgaaggt	caaaaggagc	tatacagcaa	tatttcattg	tttatagatt	240
atgagttact	ttcaggacct	taacaaagat	tctgaatatt	tagacttcct	ttgttgtatt	300
ttatacttaa	atatctccct	acctatactg	agtcaaaacta	cttgaccaa	acatctgatt	360
taggaaagca	tctagcttta	tagcacaagt	ttttccatct	acagttacta	tcttcaaagg	420
aatatacatc	acaatgttga	caaaaaaacc	tcttggttcc	ttttgaacaa	tgtgcaataa	480
attcatgatg	ttaactccat	ggtaagtcaa	ataggtacca	aaaaaataaa		530

<210> 1038

<211> 235

<212> DNA

<213> Homo sapiens

<400> 1038

ctgagagctt	catgtccacc	agattctgag	aggtgtcagc	agcacttttt	ttttttattt	60
gttgttttgt	ttccatgagg	ttatcggacc	atgggctgag	ctcaggcact	ttctgtagga	120
gactgttatt	tctgtaaaga	tggttattta	accctcctcc	accccatcac	gggtggccctg	180
agggctgacc	cggaggccag	tggagctgcc	tgggtgtccac	gggggagggc	caagg	235

<210> 1039

<211> 440

<212> DNA

<213> Homo sapiens

<400> 1039

aaaaaaccca	caaaatgctg	attcagttca	aaattaatgc	aaatgtttca	aaactggggt	60
tctgatattt	gtaaatgtgt	ttctttatta	gataagagtg	tattaccatt	aaagtcatta	120
gtataatatt	gctttcaaaa	agaaatgggt	gacaaaacta	taatccagca	tcttttattg	180
cattggaaaag	actggcaaaag	tcttttggat	gggttgggag	atgtggctgg	aaagtacttt	240
ggaaaatata	caatcaagat	atctcatggc	atattaaaag	aaaaatctta	atagcagtg	300
tggcttttat	ttggattttt	tcatctcagt	tttttctgtg	gaatctcctt	cattggcatt	360
gttattttaat	cataaacggg	gcagatgtct	acttgttcag	tttttcaa	ctgttttctt	420
gagtataaat	aagagtattt					440

<210> 1040

<211> 508

<212> DNA

<213> Homo sapiens

<400> 1040

ccaagatgaa	gaaagtcatg	catttacagg	atgtagaagt	gaagaacgcc	acacagtgga	60
aggataagat	aaagagtcag	cgaatgagaa	tcagcacgga	gttttcaaag	ctgcacaact	120
tcttggttga	agaagaggac	ctgtttcttc	agagattgaa	caaagaagaa	gaagagacga	180
agaagaagct	gaatgagaac	acgttaaaac	tcaatcaaac	tatcgcttca	ttgaagaagc	240
tcatcttaga	ggtaggggag	aagagccagg	ctcccaccct	ggagctgctt	cagaatccaa	300
aagaagtgtt	gaccaggagt	gagatccagg	atgtgaacta	ttcccttgaa	gotgtgaagg	360
tgaagacagt	gtgccagata	ccattgatga	aggaaatgct	aaagcgattc	caagtggctg	420
taaacctagc	tgaagacaca	gtcatccca	aactcgtctt	ctcccaggaa	gggagatatg	480
tgaaaaatac	agcatcagcc	agttcttg				508

<210> 1041

<211> 212

<212> DNA

<213> Homo sapiens

<400> 1041
 ccatttctctg caaccatcag cgagcaaccc ccagtacgtt cgagaagtcg atgcagaatc 60
 tccagacgaa gatccaggca aagaaggagc aggtggctga ggccagggca gagctgagga 120
 gggcgagggc tgagcacaaa gcccaagggg atggcaagtc caggagtgtc ctggagaaga 180
 agaggcggct cctggagaag ctgcaggagc ag 212

<210> 1042
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 1042
 aaagcctttt tttaggccac attgacagtg gtgggcgggg agaagatagg gaacaotcat 60
 ccctggctgt ctatcccagt gtgtgtttta cattcacagc ccagaaccac agatgtgtct 120
 gggagagcct ggcaaggcat tctcatcac catcgtgttt gcaaagggtta aaacaaaaaac 180
 aaaaaaccac aaaaataaaa aacaaaaaaa acaaaaaacc caagaaaaaa aaaaagagtc 240
 agcccttggc ttctgcttca aaccctcaag aggggaagca actccgtgtg cctgggggttc 300
 ccgagggagc tgctggctga cctgggcccc cagagcctgg ctttgggtccc cagcattgca 360
 gtatggtgtg gtgtttgtag gctgtggggt ctggctgtgt gg 402

<210> 1043
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 1043
 aaaatcaaca attatggttt tctacacaaa aacccccacc ctcccaccca aaaaccctag 60
 gtgctacagt tccatggctt gccagtaagt agtgtctatg ttgtcaagggt ctatctttgt 120
 tccagtagct tgcttctact gcacttttct 150

<210> 1044
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 1044
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaaagc acccaaagggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatatc aacaatggca gcatcaccag acttcaagaa tttaggggcca 300
 tcttcagct ttttaccaga acggcgatca atcttttctc tcagctcaac aaacttgcat 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttcagga taatcacctg agcagtgaag ccagttgggg gccagtg 467

<210> 1045
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 1045
 ctgccttggg gtgcgcctca gcagagatga tggccgcctt tttctgttgc tcagcctttt 60
 ccaccacaaa tctggccctc tctgcttctt gctgagccac ctgtttggct tccaccgctt 120
 ctgtgaactc cttcccgaag gtcagatgtg tcaaggacac gtcattccagg atgagcccaa 180

```

aggtggcggc tgcgtctgta aggtcgtcgc tcacctgcct ggagaccagc tctctctggg 240
tgattagttc tccagcatca aagcgagcca ccaactgactt gaggatctca gttgtgatgg 300
acggcagcac acgctcatca tagtcctctc cgatgctggt gaagatgcga ggaagctggc 360
tggcgacagg ccggaagagg atgcgcagtg tgatgttgac attctgtaa tctttgctac 420
cagtgatgac tggcacatta cgtggtcgag aacggcagtc aaagataatt ggtttctgta 480
cccacgggat gagaaaatga gtcccttccc ctaccacaat gtcttgact ccacggaatc 540
ggt

```

<210> 1046

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1046

```

cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60
tcaaacctgc cggggcttct cccgcctttt ttcccgccgg cgggagaagt agattgaagc 120
cagttgatta ggggtgcttag ctgttaacta agtgtttggt ggtttaagtc ccattgggtc 180
agtaagggct tagcttaatt aaagtggctg atttgcgttc agttgatgca gagtgggggt 240
ttgca

```

<210> 1047

<211> 471

<212> DNA

<213> Homo sapiens

<400> 1047

```

ctgaaggaac ggtgcagaat cgaaccacat actggtctgc tcttgctttc agtacagaag 60
agaagcatgt ccttccaagg aatcagacaa cctgtgaccg tcaactgagct agtagattct 120
ggtatattga gaccgtccac tgtcaatgaa ctggaatctg gtcagatttc ttatgacgag 180
gttggtgaga gaattaagga cttcctccag ggttcaagct gcatagcagg catatacaat 240
gagaccacaa aacagaagct tggcatttat gaggcgtga aaattggctt agtccgacct 300
ggtactgctc tggagttgct ggaagcccaa gcagctactg gctttatagt ggatcctggt 360
agcaacttga ggttaccagt ggaggaagcc tacaagagag gtctggtggg cattgagttc 420
aaagagaagc tcctgtctgc agaacgagct gtcactgggt ataatgatcc t

```

<210> 1048

<211> 410

<212> DNA

<213> Homo sapiens

<400> 1048

```

ccagcgagca catgaagcgg ttcttcgtga actttgtggt tgggcaggat ccgggctcag 60
acgtcgcctt ccacttcaat ccgcggtttg acggtctggga caagggtggc ttcaacacgt 120
tgcagggcgg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg 180
ccgcctttga gctggtcttc atagtcctgg ctgagcacta caagggtggtg gtaaatggaa 240
atcccttcta tgagtacggg caccggttcc ccctacagat ggtcaccacac ctgcaagtgg 300
atggggatct gcaacttcaa tcaatcaact tcatcgagag ccagcccctc cggccccagg 360
gacccccgat gatgccacct taccctggtc ccggacattg ccataacacag

```

<210> 1049

<211> 274

<212> DNA

<213> Homo sapiens

<400> 1053
 ccaatgtggt tggctcttcag cttgcagtta gccagggttc ataccttgac cagcttggtcc 60
 cagccacagg agacgatgat agggttgctg ctggttgggcg agaagcggac acaagacacc 120
 cactctgagt ggctctcatc ctggacagtg tatttgacac caccaggggt attccatagc 180
 ttgatggttt tatctcgaga tccggagaca atctgccggt tgtcagagga gaaggccaca 240
 ctcagcacat ccttggtatg gccacaaaat cgctctgtgg tggtgcccgt tgtgagatcc 300
 cagaggcgca gggttccatc ccaggagcct gagagggcaa actgg 345

<210> 1054
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 1054
 aaacctaagc aagaaaatga actttgaact ttcttaattt gggatatctat tatgaatacc 60
 ttcacttaag tatttatgaa tttagatatg aaaggtaaaa ctaaccacta tccaaattaa 120
 tatacagttc atttccagaa ccctagtttc ttccatgtgc tctactogcat tcagtattac 180
 aacccccaaa gataaacacc ttactgactg ccttctccat aaatttgccg gttcttgaac 240
 gttatatacg tatacttttt tgtatctgtt ttctttcagt gaagattatg tctgtattat 300
 ttactcatgt tgggtgtagt tgtttttttc atcgctgtat aatactccat tgtgtgaatg 360
 tataaagtat atcctttatt atttattgta gataagcctt tgggtttttc gttttttact 420
 aacgggaaca ttcttgtgca tgtcttagta gacttaggca ctcattgctg ttgtgtgtgc 480
 a 481

<210> 1055
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 1055
 aaatgtttac gtcgacaaaa ccagttagag taacctacac cacatgcact atacagtagt 60
 aagcacaaaa ttccacagaa tgaagcatca caaagttctg ctcaggggtg ctattccatc 120
 taggtgaaat agctgggatt ttcaattgcc tttttcattt gttt 164

<210> 1056
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 1056
 ctgttacttc acagctctga cctcagtttt ctcactctta actaggtcac cggcacttcc 60
 ctcagggttt gtgagagtta aatgaagtca agtgcggaac acccagcaca gg 112

<210> 1057
 <211> 503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 366
 <223> n = A,T,C or G

<400> 1057


```

tttttaactc aggtttcagt gaaaaaattg gaaactttta caagaaagat ttgagaagta 360
gaaggcaggc agcaaatttt ccagatatta tgcttgccatt tcaaattncn ngtttcaggc 420
ttttcaagta ggcatgcaca ttcccaaagc catgatattt ggctaaatac acaaggaccc 480
cagtcgcaca ccgtccatct cgc 503

```

```

<210> 1061
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 1061
ctgactgtcc tctccagaag gctcttctga gctgagcagg agaccccagg gccacagccg 60
agccccaacc tagacacggg ctgagctcca accttggtg gctatacttc aagggcgggt 120
agggccggca tggggctgga gggagtcagc ccactattgc agattccaca caaagaagga 180
gggggcttgg gtggtagcac tggacatcca tcccatgtgc ctgggagtct tggggttgga 240
gccacagaga aggttacatc ggggtgctgc ggaccttgcc ttcctcctcg ggcacattct 300
cataggcatt ctcatgtcga ctggacctga aactggccgc catcgaagag taccttccat 360
ctgttccac caggactcca tctgccttgt ttccgacggg caggatcatg tgtgcaggct 420
ccggctccta cctgcc 436

```

```

<210> 1062
<211> 544
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 442, 488, 511, 512
<223> n = A,T,C or G

```

```

<400> 1062
ctgtgtgtcc atcaacacac aaattcgtaa aaaacacaca tggcctcgcc atcgtgggta 60
aaatcgggcc cacagcacgt ctgcaccagc gggcggttac tcccatgccg ttcttctgtg 120
taatattaag aactgaatgt gaagtttata gctagcctgg gtgtaccttt taagaatttt 180
gtaaaccggt tgtctgtctt ttgttactgt tttatggtgc caagtatcct acgttacaac 240
aataatatca tgggagaaat agaaatagcc tagtttgctt ccaatagaaa ctgcttttaa 300
catgggctgt atataaaaat attaaagaga aacaaaactg tacatttccct cattgctccg 360
ctacagacaa cccatgtcat aacctgtgtg caaatatttt tctcctatag cagtaagtac 420
agcattagaa ggtgattaga gngtctgttg atgaaacaca aatgtatgtt ttattgattt 480
tactttanaa cactacagat ttcctggacc nngtgaaggc attagcttgg gtgtttgtgt 540
ggga 544

```

```

<210> 1063
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<400> 1063
ctgcagcctg ggactgaccg ggaggctctg attgtttacc caccacaggt aggttgcgctc 60
ctgagtctca gggtcacagg tgaaggccac agcatccttg tctccacgg ggttgaggtt 120
gttgctggag atggagggct tgggcagctc cgggtatata tggaaactgtc cggttgcttc 180
ttcattcaca agatctgact ttatgacttg tagggtagat aatcctgtgt cattctgggt 240
gacgttcttg atcagcaggg atgcattggg gtatattgtc tctcgaccac tgtatgcggg 300
ccctggggta gcttggttag ttctatttac atatcctaca attagactgt tgccatccac 360

```

tcttttcgctt ttgtaccag

379

<210> 1064

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1064

```
ctggctcctgc agacagggtgc tcttgtcctg agtgacaacg gcatctgctg tatcgatgag 60
ttcgacaaga tgaatgaaag tacaagatcg gtattgcatg aagtcattgga acagcagact 120
ctgtccattg taaaggctgg gatcatctgt cagctcaatg cgcgcacctc tgtcctggca 180
gcagcaaata ccattgagtc tcagtggagt cctaaaaaaaa caaccattga aaacatccag 240
```

<210> 1065

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1065

```
aaaaaaggca tttggagaaa ctggtagatg tcttcaacat atagttcaaa taaattagtt 60
gtatgtgtac tactgaatcc tctttcaacc tctcttgcat tccaaataaa atcttagtgc 120
aaacatcaaa gttgctgggc actccaaaag actgctaaac tcataataga atacaagatc 180
tgaattactg tgtattaagt aggaaaacc aagaatacca gttactgcaa aattcattta 240
ggcacattta atagtcact ctaagcattt tttctaagtc tctcacatta atgactaaag 300
cctgtttaca gtactaaaat tctatcattc aagcatcaat gattacattt cagaaaaagg 360
aaattcattt cagtaatagc attactgcta tatcctaaaa aaaggagaga aaataaagaa 420
tcataattaa caaaaccagt atccataata ggatacacag ggaaaaacat tttaggagaa 480
aaaaaagtgt gctttacttg ccacagcagg aattatataa tgtaaacacc ata 533
```

<210> 1066

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1066

```
ctgatgtttg aaatatctgt ctacatttaa ttagatgtgt tgtatttacc aaggaggcac 60
aaatatgtag ttctgtagat tttaatacta acttttccag taagaaaaat aataccaggc 120
gatttcaaaa agggcagtga tctataaaca ctcaaaatgc atctttgaac aggggagcag 180
aaatagctaa tttaatgaaa acaaacctta agcactttac ttggcttcta ataagcatcc 240
caagaaaagg tacctgagag gggttgacaa gtacactgtg tctagaacag ccaagatggt 300
gccaaagttt tatgctttga atttcctaaa tatatagcta gcagaaacat atgccagaaa 360
tctactgatg ctaggaaaat atttttgtca gcattttgta aaatctctaa ctttcaacca 420
atatttctgt tcataaatct tccagtgaat atgtctgaaa tatattacat gtaacaatga 480
agcaagatta atttta 496
```

<210> 1067

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 456, 486, 507

<212> DNA
<213> Homo sapiens

<400> 1071
ccttcttatt tagattcctt ttgatgtcct tccattttca gatatacagt tgcttttttc 60
ctctgggttt tgggaagggc acctctcaca tgacgatctt atggcctgct tctggggaaa 120
aggatgggga aatgtcagag agtccttgca tatatcatct ctcaaaactc ttaatcttaa 180
atattcagta tgtcaagggt ccatattttg gggtagcatg tcctgagctc catcaacatt 240
aatgtaaaaa tatttagcct aatgcctggc acatatcaag agcttaagaa atgctgactc 300
taaaattatg acatctagga agatgtgggg cagaattgta aacttacctg ctaaattacc 360
tatgagctgc ccaccattcg ttaattatgg caataataat gggtttatca tgcgttatcc 420
tcaactctgc aagcagtgtt ccttgtgctt agcagtaaat gttgcctaatt ttggggcatg 480
ctgggtgtgtc tgcagactgt tcttgtatg 509

<210> 1072
<211> 563
<212> DNA
<213> Homo sapiens

<400> 1072
ctgtcactcg aagaatacca ttcacatcta tctcaaagggt gacttcaatc tgtgggaccc 60
cacgaggagc aggaggaatt ccagtcagat caaatgtacc cagaagatga ttgtcttttg 120
tcaggggtct ttcaccttca tagaccttga ttgtaacagt tggttgatta tcagaagctg 180
tagaaaagat ctgagacttc ttggtaggca ccactgtgtt ccttggaatc agtttggtca 240
tgacacctcc cacagtttca ataccaagtg taagggggaca tacatcaagc agtaccaggt 300
cacctgtatc ttgatcacca gagagcacac cagcctggac agcagcacca tacgctacag 360
cttcatctgg gtttatgcc a gggatggtt ccttgccatt gaagaactct ttaaccagtt 420
gctgaatctt tgggaattcga gtcgagccac caacaagaac aatttcatca atatcagact 480
tcttcaaate agaactttcc aacactttct ggacgggctt catagtagac cggaacagat 540
ccatgttgag ctcttcaaatt ttg 563

<210> 1073
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 321
<223> n = A,T,C or G

<400> 1073
caaaacccca ctctgcatca actgaacgca aatcagccac ttttaattaag ctaagccctt 60
actagaccaa tgggacttaa acccacaac acttagttaa cagctaagca ccctaataca 120
ctggcttcaa tctactttct ccgccgccg gaaaaaaggc gggagaagcc ccggcagggt 180
tgaagctgct tcttcgaatt tgcaattcaa tatgaaaatc acctcgagc tggtaaaaag 240
aggttttgta caagcttttt ttttttttt ttttttttt ttggaaaaaa aaatgggtag 300
tgtatatatt gcaggtttta nacaactcag gacaataaaa acaatggact ttacatgtgt 360
atatatatag ctctcttagg caccataatc agtatgagcc aacaatattt 410

<210> 1074
<211> 499
<212> DNA
<213> Homo sapiens

<400> 1074
 gtggaagcag gtgtgagagg gtccagcaga aggaaacatg gctgccaaag tgtttgagtc 60
 cattggcaag tttggcctgg ccttagctgt tgcaggaggc gtggtgaact ctgccttata 120
 taatgtggat gctgggcaca gagctgtcat ctttgaccga ttccgtggag tgcaggacat 180
 tgtggtaggg gaagggactc attttctcat cccgtgggta cagaaaccaa ttatctttga 240
 ctgccgttct cgaccacgta atgtgccagt catcactggt agcaaagatt tacagaatgt 300
 caacatcaca ctgcgcatcc tcttccggcc tgtcgcagc cagcttcctc gcattctcac 360
 cagcatcgga gaggactatg atgagcgtgt gctgccgtcc atcacaactg agatcctcaa 420
 gtcagtgggtg gctcgcctttg atgctggaga actaatcacc cagagagagc tgggtctccag 480
 gcaggtgagc gacgacctt 499

<210> 1075
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 1075
 ccagtttgga gaacgcgctg acatactgct cggccacagt cagtgaagct gctgcatctc 60
 cattatgttg tgtcagagct gcagccagga ttccaatagc ttcagcttta gccttggcct 120
 tcgccagaac tgcactggcc tctcctgctg cctgatttat ctgttcagcc ttttctgctt 180
 cggaggccag gatctgggcc tgtttcttcc cttctgccac attgatggcc gactctcggg 240
 tccccacaga ctctagaact gtggcccgtt tccgccgctc tgccctccacc tgcattctgca 300
 tagactcttt caccgcgggt ggcacatgga tatccttgat ctcataacgg aggcagcgga 360
 taccacagca gtcagcagct tggttgatg catccacaat gctggcattc agggactccc 420
 gttcccggaa gactttgtcc agagagag 448

<210> 1076
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 1076
 ctgtggattt caaaacacag tgtattctag atcatctaag atccatgctg atttttattg 60
 cacaagaatt aggtttgaac tcttgagctg gaacctcagc aaactagagt atatattggt 120
 cagtatttct ttggaaacat ttcattaatg tacttgtctt acagaaaatt ctgaacttta 180
 gtaaaaaaaaa taaagttaaa cttttaaaac tcaaaaaa 217

<210> 1077
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 1077
 ctgcctattt ccacatcttt caatccatct ggctccttaa ataggggaaa aagcccttat 60
 ttggtggaga agcattttcca aaatgaagtt acagggttcta ttaaaactta ctgtcacatc 120
 aactgttaaa atagggcctt ttgtgttttg ttatttcacc ttaatatcac cagaattcct 180
 gtaattccac aattgtgatt ttactatgta gaagataatt cagttctagt ctattgcttt 240
 agatgtaaaa acag 254

<210> 1078
 <211> 354
 <212> DNA
 <213> Homo sapiens


```

<400> 1078
ctgtccctgg atagtgccac ctttgccctt ccccaggatt ttgggcttgt tttgcaaaca 60
ctcaaagagt acaacctagc cctgaaaaga ctgagcttcc atgacatgaa tctcgctgac 120
tgtcagagcg aggtgctctt tttgctacag aatctgactc tgcaagagat taccttctcc 180
ttctgccgtc tgtttgagaa gcgccagcc caatttctgc ctgagatggg tgctgctatg 240
aagggcaact ccacactgaa gggcctccgg ctgccaggga accgcctggg gaatgctggc 300
ctgctggcct tggcagatgt tttctcagag gattcatcct cctctctctg tcag 354

```

<210> 1079

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 472

<223> n = A,T,C or G

```

<400> 1079
gcacagagct gtcattcttt accgattccg tggagtgcag gacattgtgg taggggaagg 60
gactcatttt ctcattcccg ggtacagaa accaattatc tttgactgcc gttctcgacc 120
acgtaatgtg ccagtcattc ctggtagcaa agatttacag aatgtcaaca tcacactgcg 180
catcctcttc cggcctgtcg ccagccagct tctcgcac ttcaccagca tcggagagga 240
ctatgatgag cgtgtgctgc cgtccatcac aactgagatc ctcaagtcag tggaggctcg 300
ctttgatgct ggagaactaa tcaccagag agagctgggc tccaggcagg tgagcgacga 360
ccttacagag cgagccgcc ctttgggct catcctggat gacgtgtcct tgacacatct 420
gaccttcggg aaggagttca cagaagcggg ggaagccaaa caggaggctc ancaggaagc 480
agagagggcc agatttgtgg tggaaaaggc tgagcaacag aaaaaggcgg ccatcatctc 540
tgctgagggc gactccaagg cag 563

```

<210> 1080

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 482

<223> n = A,T,C or G

```

<400> 1080
aaaacttgga gaagctggct gggcgcggtg gctcacgcct gtaatcccag cactttgaga 60
gaccgaggcg ggcggatcac gaggtcagga gatcgagacc atcctggcta acacgggtgaa 120
accccatctc tactaaaaat acaaaaaatt agctgggcgt ggtggcaggc gcctgtggtc 180
ccagctactc gggaggctga ggcaggagaa tagtgtgaac ccgggaggcg gagcttgacg 240
tgagccaaga tagtgccact gcacttcagc ctgggtgaca gagtgcagacc ctgtctcaaa 300
aaaaaaaaaa aaaatcctgg agaagccaga acaatatata aacaagtatg tggaggcaga 360
tttgctttat tccaagaggc tgtttgagt tgtgtctgcc taagcctcct tatagcctat 420
ttttctactt gctgagagag taatatataa ggaacagtga gggagtggaa ggagagcctt 480
anttagagcg ttcccatctc tggcct 506

```

<210> 1081

<211> 462

<212> DNA
 <213> Homo sapiens

<400> 1081
 aaatttaaga tagtttgtaa gaactgtaca aaaaaatgct tctggagatt tctttggcag 60
 aaatgccttt catctataat ttcattggaga actgctttaa ttagcctagg tgaaaagtag 120
 tcctagcagt gtaaataatgt ataattagag ttttctaatt tcaactgtgag atctctaact 180
 tttgagtggc aaacagatca agtccttttg tcatagactt ttctgtgggg ttattaaaaat 240
 gcaaaaagctt tatttttttt aataatgcca tactccatta gtgtcagatg atgggatgga 300
 atttgttccc ttgctttccc ccactgttac tgcttcagtt tatagattgc cagcagagtt 360
 cagaaataga gcagggattt acccgttctt tgcttggaca tcccattttc ttttgtccag 420
 acccatgttg gcaatcatgt atgaactgtg ttatacttot ca 462

<210> 1082
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 1082
 aaataccatc ctttgtctcc gttaaaagat tttcatccat ttattcaaaa accttttaag 60
 ttcaactgtc caatttaaga cagagtgaag acatttttga gtatctgaac taagcattgt 120
 cttgactgaa acgaagtaag aactcaatga gagtccttgt gggcctccca gtcattgcctt 180
 tccgtagata gggaacttca tctttgttgg tcatcacgcc tgctatgtct aaatgtgccc 240
 acttaggatg agttacgaat tctttcagga atgctgcag 279

<210> 1083
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 1083
 gtggaaagtc caacagatgc ccactcaca agatagggcc ctccaatcag tcttctggct 60
 cccttttact catagtaact ggttgcctt cctattgggc atagataaat gacacctgca 120
 caattctccg agtgctttca agcaacttcg ggaggcagtg actaagacc tttccttgcc 180
 ccagcttcc tatgtcccag ggctgcctgt ggcacctgga ctgctgctgc ccctgggtcc 240
 cgtacattcc agggcaacaa tggaggaaag gcaggcaacg catgaggaat taacagtctt 300
 tattgggctc agaccaggag tccgtggg 328

<210> 1084
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 415
 <223> n = A,T,C or G

<400> 1084
 tttttttttt ttttttccat tcctaggggg aatgggcccc aagggtttgt ttttttattt 60
 cgtttttggg gtacaggtag tgtttggtta catggatgag ttcttttagtg atttctgcga 120
 ctttagcgca cccatcaccg gagcagtgta cactgtaccc aatatgtagt ctttcatccc 180
 tcaccccact ccaagattta gttctgccag acgatacatg ttgccttcac ttcttttttag 240
 tttatttgcc tggacccatc taagtcatatc ttaaaactct ataaagcatt ttttttcttt 300

```

gaaatggtct cagctccttc ttgatcctct ccattttcca cccaatctcc totatccctc 360
tccctttact gcctgaaatc ggctgtagat gtagcagttt ctggaggaaa tgaanatttg 420
tgggtggttct ttccagtcac caggttgtga aagtctta 458

```

<210> 1085

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 550

<223> n = A,T,C or G

<400> 1085

```

ctgcaaggat tcagcaccag ttatgtttga atgaaccctc cttttctctg agattctggt 60
ccctggaaat ccctttctgc tagtggtgag catgtaagtg ttaagttttt aatctgggag 120
cagggcatag gaagaaaatg tcagttagtc taatgcattt tgcactagaa cgcttcggga 180
aaatattcat gcttgccatc tgttcatttc taaatttata ttcataaagt tacagtttga 240
tacaggaatt attaggagta attcttttct gtttctgttt ataatgaaga acactgtagc 300
tacattttca gaagttaaca tcaagccatc aaacctgggt atagtgcaga aaacgtggca 360
cacactgacc acacattagg ctgtgtcacc attgtgtggt gtacctgctg gaagaattct 420
agcatgctac ttggggacat aatttcagtg ggaaatatgc cactgaccga ttttttttcc 480
ctctttgcag tggggctagg acagttgatt caacaaagta tttttttctt ttttctcagt 540
cctaatttgn acaggtcaaa gatgtgttca ggcattccag g 581

```

<210> 1086

<211> 127

<212> DNA

<213> Homo sapiens

<400> 1086

```

aaaaacacac ctcaccaagc tcagccacca gcttaaaaag gactggacaa tacttttacc 60
actttccctt ctcagaaatc aggcctgtcc tcagaatggt acaaggtaca gccattttaa 120
gctcttt 127

```

<210> 1087

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1087

```

aaagggttaat ttgtagaaca aatgtttttaa ctatactttt tttctactct atactcccca 60
gttacaatat ttacaaaggg ctgaagtcta tataaaaaaa tgatctttgg ctgggcatgg 120
tggctcatgc ctgtaatccc agcacttttg gaggtcgagg caggcgagtc acgagggttag 180
gagtttgaga ccagcctgac caacatgaag aaacctgtc tctactaaaa atacaaaatt 240
agccaggcat ggaggcaggc gcctgtaatc ccaactactc gggaggctga ggcaggagaa 300
tcgcttgaac ccgggaggcg gaggttgcgg tgagttgaga ttgtgccatt gcactccagc 360
ctgggtgaca aagcgagtct caaaaaaaaaa aaaacatctt ttactttccc ccatccctca 420
ttttagtcaa acttctccca cctcatctct gcc 453

```

<210> 1088

<211> 321

<212> DNA

<213> Homo sapiens

<400> 1088

```
ccagcggctg gtaaggagcc agggcttcca ggtaggagaa gtctgggtcc gtgaatatga 60
cgggtattgag actagatttt cccagagct ccatgaagtg gaccacgtcc ccgaagcgga 120
gggaagggtg cccgggtgaac accacacagg gctgtctaaa gtctgtgctg aagtctccgt 180
ggatgctggg gtagtgcttc agcttattgg tctgaatgag ctctgcatga ggaaaagggtg 240
gttctggaag atacacctta ctctgtttgt tgtgacaaag ccactcagca aagatctggg 300
aaaactccag tgaactggtg g                                     321
```

<210> 1089

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1089

```
cctgtggtgt aggggactga attttttttt taacttctat tccattttta ttgtaggata 60
tctttgtcca tataccagg tgtcctgatt tgaatgtact atttgatcct cattgtgttc 120
aggcaaaaaa taggaaatga gtaattttga gtttgaaatc tctccagaa gacaaaactac 180
ttcagtgagt aaaagctttg acatttttatg ttttattcat aaagggggtt aattatttgc 240
tacaaagaag cacgatctat tttcatcatc gatttgaaaa tatctgtaac tctatagat 300
cctataggca gagagttttc ctttctgact ttttcccttt gctttcgtgt gaccacatgt 360
tttctgtacc agtcactggg gaaagaagtg agtttatctc gtttgtttt 409
```

<210> 1090

<211> 281

<212> DNA

<213> Homo sapiens

<400> 1090

```
aaactcaaga ctgggtccag gagagaggag gacggacact aggttgaggg gccaggccac 60
actcactctg gaccacctgt tgttcccggg tcaagttccc agggtcacac cagcctgcct 120
ctgcaggaca agaggaccaa gctgcccttg agtggacact gtgaggctgg ggctcgtggt 180
agctcttcac atggaccaa cgggaaaatc aggaaagctg gtagtgctg gagcttcact 240
cccagccagg gcagcacctc tggcctctaa ggagaaaggc c                                     281
```

<210> 1091

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1091

```
agggcctcct gcattccgtt tctctggccg gaagggtcta gtgttcatcc ctctcaggct 60
ttggcctcct cccactctcc cgccctgggg ccattcgtt taggaagaat gggagagccg 120
gtcgtggccc ctgggagggg taaaggaggg aggccttggt aacctctgct ggggaggacc 180
cagtacagtg gcagctcctt gtcggggaaa gaacggatct ggggaaagaa cggatctgctg 240
tcacacgctc ttacagggga accctaaggg gcctgagggg tagggcttgg tctccacca 300
gaggaagga gaaatttttc gtagctgtaa gaaatgtatc agaagccatg gaacatttac 360
agccgcacac gctgggtctc ccaacaaaca gatcccaaaa atattttcca gtgctgtact 420
cgtggcatag accagacccc acagaccagg aggaagcgct ggagatgtca acagccaac 479
```

<210> 1092

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 490, 510, 519

<223> n = A,T,C or G

<400> 1092

```

aaagcataca tgagatagta tctttcattt agtcctaagc ttgattatth atgctcattg 60
taatatthca gtgacattct ggacataaat ttcaagtata tcaccatata cttattgtta 120
aatatcaaac aaagctactg actgtgaggg aaaaatttca gtgattthtt ttgtttgttt 180
ttttgttact taccctgaga tactcatccc acagtatata tgagatttag ctgaacattt 240
acaaattthta acaaattthtt tttctttcca ttgcatgcat cgatatgcca aattctgcac 300
ttcaatccag gtaaaataat gatagtgttt gtaaacccaga tagtgaaaac cagtgtgttt 360
tctaatactg cccatgatag acagagtga atcacagcat aaacagtagc caggaacctta 420
tactgcaaac atttggtctt aagtatcttg caacaaatag ctactaatat gaccatacac 480
ggtacatagn acaccacagt cctggattgn agcatgccng 520

```

<210> 1093

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 429

<223> n = A,T,C or G

<400> 1093

```

ctgatctacg agtctgccat cacctgtgag tacctggatg aagcataccc agggagaag 60
ctgttgccgg atgacccta tgagaaagct tgccagaaga tgatcttaga gttgttttct 120
aagggtgcat ccttggttagg aagctttatt agaagccaaa ataaagaaga ctatgatggc 180
ctaaaagaag aatttcgtaa agaatttacc aagctagagg aggttctgac taataagaag 240
acgaccttct ttggtggcaa ttctatctct atgattgatt acctcatctg gccctgggtt 300
gaacggctgg aagcaatgaa gttaaagtga tgtgtagacc acactccaaa actgaaactg 360
tggtatggcag ccatgaagga agatcccaca gtctcagccc tgcttactag tgagaaagac 420
tggaaggnt tc 432

```

<210> 1094

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1094

```

aaaagaaacg atcaatacta aatatttagca gctaaaacat cattgattct tgtggcttta 60
gaactttcac aactgagag ctccataaga ggaaaaaagc aaag 104

```

<210> 1095

<211> 419

<212> DNA

<213> Homo sapiens

<400> 1095

```

atgaggtcaa gtgatcgaga ccatccttgc caacatggtg aaaccccgtc tctacaaaa 60

```

```
tacaaaaaat tagccaggcg tgacgggtgcg tgccctgtagt cccaactact cggaaggctg 120
aggcaggaga attgcttgaa cccggggaggc agagggttgca gtgagccgag atcgaccac 180
tgactccag cttggcaata gagtgagact ccatctcaaa aaacaaaaca aaacaacaac 240
aaaataaact actgtggcag cgttgggtacc ctgcatcaact gccatgggtg tgctattctc 300
atctcaacat agaattggtg gggtctccta aggggtgtcag gaacctctaa aaagatgtga 360
ttctttggga ggggatattt gaaattccaa cttccattcc ccctagcaaa aggaagcag 419
```

<210> 1096

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 47, 48, 63, 68, 79, 83, 102, 104, 106, 107

<223> n = A,T,C or G

<400> 1096

```
tttttttttt tttttttttt tttttttttt tttttttttt ttttttnncc cttcctccaa 60
gtnttttntt tttttttgng ttnttaaaaa aaaaacaaaa ancncnncca aa 112
```

<210> 1097

<211> 202

<212> DNA

<213> Homo sapiens

<400> 1097

```
ccagggtctg gaagggccct gggagcgccc accccctctg gatgagtccg agagagatgg 60
aggctctgag gaccaagtgg aagaccagc actaagttag cctggggagg aacctcagcg 120
cccttcccc tctgagcctg gcacataggc acccagcctg catctcccag gaggaagtgg 180
aggggacatc gctgttcccc ag 202
```

<210> 1098

<211> 491

<212> DNA

<213> Homo sapiens

<400> 1098

```
aaaaagtcag tatcatctct cttgtggagc taccagaaca ggtttttcaa acagaaaagg 60
ggaacaaacg tggggaacaa acgtggggcg cttggctatg ttaagaattc ttatcactag 120
aatactgctt cgagacgttc atagtacttt ccaaaagaag ccaccacct caaagagccc 180
tgcgagccc cagtgaacca tgagtgtggc agccgtcatt ttattagcca ctggttgcaa 240
tcatcaaagt attcactcag agtggggaaa ttacttaata tcaacgatat taacgatttc 300
catgtattta gctttgtgac acacaatgca caagggtctt caaatgtttg ttttttacac 360
cagtggtaga aaattgtcat tcttcggatt caacacactg gtggatgaca ctttagtgaa 420
gtgtgactac ctagaagagc aggaaggcag ctccctgattc tgactggggc agcctcttcc 480
agaaggtgac t 491
```

<210> 1099

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1099

```

ttccagcctg cgacctgcgg agaaaaaaaa ttacttattt tcttgcccca tacatacctt 60
gaggcgagca aaaaaattaa attttaacca tgagggaaat cgtgcacatc caggctggtc 120
agtgtggcaa ccagatcggg gccaaagttct gggaggtgat cagtgatgaa catggcatcg 180
accccaccgg cacctaccac ggggacagcg acctgcag 218

```

<210> 1100

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1100

```

cctagagagc tagagaagca agtaagggcc agggccagag tcgggttcaa tggaacaaca 60
gccagtgcc ctaaggcccc taactcttgc tggctgttgc ttgaccccaa gccagggttg 120
ggagtcctct gggcatccat tttttctaaa ggaactggac agagtacaca caggaaagga 180
agctgtcacc ctcttgcca 199

```

<210> 1101

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1101

```

cctcgggtggg tcttgcgggg cagcttcttg gtgtgccaac gactggtgac ccctttgtag 60
cccttgccct tggtcacccc gatgacgtcg atcatctcat cctgccccaa cacttggttc 120
acaggtacct gctgctcaag cctctcggcg gccagtcaca gcttctcggc cacagtgcct 180
ccgttcacct ggatctccat caggtgggcc ttcttctggc gc 222

```

<210> 1102

<211> 235

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16, 27, 113, 162, 197

<223> n = A,T,C or G

<400> 1102

```

aaaatgtcaa agtatngcta tacatanttg cacttttctg ctaggctggg ctagtatctt 60
ccatggcaag atcctcaaac tactgaataa aatacacttt taaatcaata tangtacttg 120
attaatttcc ctgaaattat caacatcatt accaaaatct tncaggattt tgtaagattt 180
gattccttaa atacagntcc taaagttaaa cttatggagg gaaaaaacc ctcat 235

```

<210> 1103

<211> 321

<212> DNA

<213> Homo sapiens

<400> 1103

```

ccagcgggctg gtaaggagcc agggcttcca ggtaggagaa gtctggttcc gtgaatatga 60
cggatttgag actagatttt cccagagct ccatgaagtg gaccacgtcc ccgaagcgga 120
gggaagggtg cccgggtgaac accacacagg gctgtctaaa gtcgttactg aagtctccgt 180
ggatgctggg gtagtgcttc agcttattgg tctgaatgag ctctgcatga ggaaaagggtg 240
gttctggaag atacacctta ctctgtttgt tgtgacaaag ccactcagca aagatctggg 300

```

aaaactccag tgaactgttg g

321

<210> 1104

<211> 493

<212> DNA

<213> Homo sapiens

<400> 1104

```
ctgagttaca agagaaaatg atcacatgca tcagaggctt ggagaaagct aaagtgattc 60
agccaggcta cgggtgttcag tatgattact tagatccccg tcagatcacc ccttccctgg 120
agactcattt ggttcaacga ctcttctttg ctggacagat caatggcacc actggttatg 180
aggaagctgc agctcaaggt gtgatagccg gaatcaacgc cagtcttcgg gtcagtcgca 240
agcctccctt tgtggttagc cgaacagaag gttacatagg agtcttgatt gatgacctca 300
ctactctggg caccagtga ccataccgca tgtttaccag ccgagtagag ttccgtttgt 360
cactgcgccc tgataatgct gacagccggc tcacactgcg aggggtataaa gacgctggct 420
gtgtgtccca acaacgatat gaaagagctt gttggatgaa gtcttcttta gaagaaggca 480
tttctgtgtt gaa 493
```

<210> 1105

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 156, 189

<223> n = A,T,C or G

<400> 1105

```
ctgggtgaagg aactcaagga ggcttttaggt attccagccg ctgcctcttt caaacatgtc 60
agcccagcag gtgctgcctg ttggaattcc actcagtga gatgaggcca aagtctgcat 120
ggtttatgat ctctataaaa ccctcacacc catctnagcg gcataatgcaa caccaagagg 180
ggctgatang atgt 194
```

<210> 1106

<211> 337

<212> DNA

<213> Homo sapiens

<400> 1106

```
ctgcacggac caggttcccg caaaacattg ccagctagtg aggcataatt tgctcaaagt 60
atagaaacag cccacctgtg ccactttga ccattggtga ggatagatat aaaatcactt 120
cttccaacga agcctagggtg aaaatctatt tataaatgga ccacaactct ggggtgtcgt 180
ttttgtgctg tgacttccta attattgcta aagaactact gtttagttgg taatggtgta 240
aaattacatt cagctccttc ttgtcatata aaaggaattt ggagggtgtc gcttaaaatt 300
ttattccacc tgtacatttg tcactttacc tcggccg 337
```

<210> 1107

<211> 342

<212> DNA

<213> Homo sapiens

<400> 1107

```
ccatatggta gagatgaggg aaggatggac tagaagcaag ctgggtcttc tgggtcgtct 60
```



```

ctactccttt ttcacttcat caccgttttc cccactgagc ttgaacacag gaatctgctg 120
accatccttg agctctaaaa agacctcgtc aagggtgccac ctctgaaagg ggccacctct 180
ggatgagtgg acgtagagaa ggccctctga tttggatcca gagacaggaa tcttcaactt 240
ggcatcaaca atgtccacga agttttccct gtcgatgagc ttgagataat ggatgttgag 300
aggaggggccc agagcttcct gtgcctcggg atggctctgc ag 342

```

<210> 1108

<211> 549

<212> DNA

<213> Homo sapiens

<400> 1108

```

aaattgcaaa ttaaagcatg tatttacata tttatataca aaaaacttca aaaacaaatt 60
aatccaaatc ttggtccaag agtttccact ttataagtgg tatggtacta tgctatatat 120
atcctcttcc aaaagtctct taggacttgg taagttccaa atattcattc acaaattggtt 180
cccctttaag cttaatgaac catatacttc atttctgagt aaattagagg aaatattaca 240
gaacacgctt tgtacaatac agcaccacta ctgagaaggg ctcgagggtt tgtaatccaa 300
ggttctgact taaagcaaaa atacacggca tagattgcaa cagcaaagaa gtgtccaatt 360
aaaactagag ggttaggaga caatacagaa agcagcccaa caggaccgcg aacacattcg 420
ccaccaagtt tgaaataaag aaaacaggct tttcttagtt gatgcaggga atcatctgtg 480
gcagaaaata attcataaag agcctgagca aggatattca cgacaaagga atgagatgtt 540
tttcttgcc 549

```

<210> 1109

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1109

```

ccaaactatt ttgaattttg ttgtccggcc ctcaagtgcc tgccctctcc cttaccagga 60
ccacagctct gttccttcgg cctctggtec tctctggtec cctcctgggt ttcttacgta 120
gttgattttt cctctttagt ctccccgac ctgcgcccag ccccgaggcc cctgcccctc 180
tctactctc tgtggcagtt tcatatttgc taagacgaat ttgctcatta aacattttgt 240
tgtattttac 250

```

<210> 1110

<211> 544

<212> DNA

<213> Homo sapiens

<400> 1110

```

aaatcagtag tctaacaagg attagaaaag acaaaactct gttcagtgtt tctgacaaag 60
tagaaagggg gaaaacataa ataaggcttt aatttggtcaa aatataatac aatgcctttt 120
ttatcctcaa atgaacagtt tcccaattac ttcaactctaa cacctggtag tgctctttct 180
cctttgtgag ctggttggtt accgcctgaa gcaactgctg taactgtgtt acagtctgat 240
ttagacttac agacattgtc tcttctcag aagactccgt ttctggggaa acatcactat 300
tttcaataac agtagtgtct ccagcagctt ttactatttt tgactggata agctccagtg 360
actgttgagc cttatgcaaa tcaccagcta ccttctgtct ttcattttgt tcagttctaa 420
gttttgtgag tgtttcattt aactgtgcct tcaactctct gacttctgta acataggtag 480
atcgttccat ctctgccttt tctagttcca tttccaaatg ttctcgttct cttctcagat 540
tttc 544

```

<210> 1111

<211> 402

<213> Homo sapiens

cctcaaagag	gtggagagac	ttatccaaga	acgtggcttg	gagttcatgt	ggaatgagcg	60
tttgggatac	atcttgacct	gtccatctaa	cctgggcact	ggacttcggg	caggagtgc	120
catcaaactg	ccctgctaa	gcaaagatag	ccgttccca	aagatcctgg	agaacctaa	180
actccaaaaa	cggtgtactg	gaggagtgga	cactgtgtgt	acaggcggtg	tctttgat	240
ttctaatattg	gaccgactag	gcaaatcaga	ggtggagctg	gtgcaactgg	tcctgatgg	300
agtaaaactat	ttgattgatt	gtgaacggcg	tctggagaga	ggccaggata	tcgcacccc	360
cacacctgtc	atccacacca	agcattaact	ccccatcgcc	ag		402

<211> 363

<213> Homo sapiens

cctaagacaa	tgaaggaag	ccagagcaac	agaccacctt	gggatccggg	gagaagggta	60
aatgggcaaa	agggttgtat	ttcctgatgc	tctcagaaca	tcaagaccaca	ccatgtgaat	120
ttaagcagga	ctattttaag	tggggaaaca	atactagaag	catttggtgt	attttcctgg	180
cactcacctc	ctaggtaagc	aggagagcgg	gacactcagg	agttgtgact	aaactcacac	240
ttaagctgcc	tgtccagacc	gtcccttgg	ctgaacacaa	cactgaaatt	gtggcagtgt	300
ctgttgcccc	agtggaacctc	ccacttacta	atgagtatgt	aaaacagagg	agccacagt	360
agg						363

 $\langle 211 \rangle$ 223

<213> Homo sapiens

```

aaaagacctt tagtccgttc tacttttctt gaagagggag gaccgtaagg gatataaagg 60
tttacttgaa tactaagagc ctgaaaaact gcttggtctg ttgactaat aaaggctggg 120
ctgttatcag actgtataga ggtgggaagg ctaaactgag gaattgtgtc tgacagaagg 180
gaagaaatga ctgtggtgac cttctcagac cctgtaggaa agg                223

```

<211> 452

<213> Homo sapiens

aaaacttgc	ttgttttagaa	ttcccacctc	atttttccat	ggacaaaagt	attcttttatg	60
tcctagtgc	cttacaattt	ggtattacct	gggagtgaaa	agaaatatta	cagccatgcc	120
taactgactt	cttgaggtaa	gattgttctg	tcagaaaacc	ctctcccagt	tcccctgcag	180
ctcttcagga	atccacatct	ctccagagct	ctttgttctc	atgggtggca	cctccagagt	240
gaagaagatc	ctttgtcaag	aagggaacaa	gaggggaaat	gagaggggcc	tgcaggcaga	300
ctctggaatc	acttccactc	tgcctcttgc	aagctgtgtg	accctgggca	caattttctcc	360
tgtctctgga	aacctctgtt	tctttagatt	tgagcaggg	tggtcacact	gaccttgacg	420
agttctgaga	atcagaqaca	gaacataaaa	gg			452

<211> 367

<212> DNA
 <213> Homo sapiens

<400> 1115
 ccagttgggc agctctttcc acgatggctt tgcggttctt ggaggaaaca ttgtgagcaa 60
 tctcggcaca gtaagatttg ttgcacatca gcagcacttc cagctccttg acgttggtga 120
 ccaggaactt ccggaagcca ctgggcagca tgtgctttgt ttttttggtg cttccataac 180
 caatgttggg catcaagatc tggcccttga atcttctacg aacctgttg tcaatgcctc 240
 tgggtttccg ccagttacgc ttaattttga catatcggtc tgactggtgc cggatgaact 300
 tcttggttct ctttttgacg atcttgggct tcacaagggg tctgagggcg gccatgatgc 360
 cgagaag 367

<210> 1116
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 1116
 ccataaagga ggtaaaaatg aaaaccataa cctaactttt atagaggctt tatctttaat 60
 ttaacgatgt gcggaggact ttcttgcttg aatctgttcc gggctgtctg ctctgtccat 120
 caaatgggca ggtctggaat ggggcacctt cggccgttca gaagtggcct gaacagaatg 180
 ctggaaccca ggctggactc ggacacacta aggttttgat tttgaatttc agccttatta 240
 gaagatctaa cctaagagta agctaaccac agggattctt ttgtagaaca ctttttatgc 300
 agatgaagct attttttcca gcaagtagat tcttcaggtt tttccaagga gtaatttccc 360
 cgaattggca taccacggcg tggacag 387

<210> 1117
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 1117
 cctttgtccg gcaccctgcc cacaggctga gctcagcccc aggccctttc aggcattctag 60
 acactcccat agcctgtcag gctggggcaa ggagatccca ggtcacacat actccttgga 120
 agagttggac ttagggtaag agcggggtgc acggtaacca gccttgctct cattcccagg 180
 acaggaacag gagagcagtg cactcccag gatgactagg gcagacctg cccagccaat 240
 aaagatggca gggccaaact catacttaat gttggtaggg atcaaagggt tataaaagtc 300
 tgtgacaatc tgatgg 316

<210> 1118
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 1118
 ctggcaaaga taatgcttct gctgggctga aacctatctg aaagagaaaa aagttagctt 60
 tacctgagga aaggttatac acagacaagg atggaaggta tcccacttaa gatgaatcag 120
 aaggtctaata tccaagatag cggattccaa aatctttttt ttctgagcca aaaaagaaaa 180
 aaaaaactaa caaaatcttt ttttgagacc ccaggtaaaa gaataaaaga ataggaataa 240
 ttttttttta agtaacctac aaagagcaag ataggagatc tgcaaataag attttgagta 300
 catagcaggg gccagtagtc accctttcac aatttcattc ttggagttcc ttaacttctg 360
 gacccagaga tcattgaaaa cagtgtaaag atgatgatgc acatcttgag aaaaatcttc 420
 agaggtaaat ccaaacattg ggattttt 448

<210> 1119
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 447
 <223> n = A,T,C or G

<400> 1119
 cggccgaggt aaaaaaagct gaggggtgatt agacaagttg acaagttggt ttgaaagagg 60
 taactggcct agtacaaaaa tccatagttt attgggttgg gctgttgagg agttgtagtg 120
 ctgggtgaaat aaaattttcc aggatgcagt ggtcatcgca atttggccca attcaaaggt 180
 tcaaggtaag ctccctgtatt gttttttttt tggagctttt aatttttttt caagttgcag 240
 gtcattgtagg gagtcctttt tagaatggct tcctccctcc atttttagagc tctgaaccaa 300
 agtgatgtca tttattttat tttattttat tattttttta gatggagtct cactctgtca 360
 cctaggctgg agtgcagtgg tgcagtctcg gctcactgca acctatgtct cccgggtcca 420
 agcgattctc ctgcctcagc ctccctantag ctggggattac aggtgcacac cac 473

<210> 1120
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 1120
 cttggtgggtg aaggttctgg agaagtcaga ccagaccaac atcctgagtg ccctacttgt 60
 tttgctccaa gacagcctgc tagcaacagc cagttctccc aaattctcag agcttggtat 120
 gaagtgtctc tggagaatgg ttcgactggt gcctgatacc atcaatagca ttaacctaga 180
 cagaattctt ctggatatcc acattttcat gaaggtcttc cccaaagaga aactgaagca 240
 atgcaaaaagt gaatttccca taaggaccct aaagaccctg ctacacacct tatgcaaatt 300
 aaaagggccc aagatcctgg accacctaac gatgatcgac aacaaaaacg agtctgagct 360
 ggaggcccat ctctgccgga tgatgaagca cagtatggac cagactggga gcaagtctga 420
 taaggaaaca gaaaaggag catctogaat agatgaaaaa tcatcaaagg ccaaagtga 480
 tgatttctt 489

<210> 1121
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 1121
 catcaatgta gaactcagcc ttcttggaag gaaaaaaaag aggctccggg ttgacaaatg 60
 gtggggtaac agaaaggaac tggctaccgt tcggactatt ttagtcatg tacagaacat 120
 gatcaagggt gttacactgg gcttccgtta caagatgagg tctgtgtatg ctacttccc 180
 catcaacgtt gttatccagg agaatgggtc tcttggtgaa atccgaaatt tcttgggtga 240
 aaaatacatc cgcagggttc ggatgagacc aggtgttgct tgttcagtat ctcaagccca 300
 gaaagatgaa ttaatccttg aaggaaatga cattgagctt gtttcaaatt cagcggcttt 360
 gattcagcaa gccacaacag ttaaaaacaa ggatatcagg aaatttttgg gtggtatcta 420
 tgtctctgaa aaaggaaactg ttcagcaggc tgatgaataa gatctaagag ttacctggct 480
 acagaaagaa gatgccagat gacacttaag acctacttgt gatattt 527

<210> 1122
 <211> 474

<212> DNA
<213> Homo sapiens

<400> 1122

```
aaataagggtg atagtaaatt ataccttgta gttaatagta atcaatcaat caatcactac 60
agtaatcaca aataaggtaa agtctaaatt actgccttag caaacactat gttgtcaggt 120
ttttctgctg caagcccaag gcgggaaaca ctgcagttat tagaagtgag cccaatgatg 180
aatttgcatt tgaagctggg agaaagagga aaaaaagtgt gttctgatta tggcatcgag 240
acactgtagc ctaaaaaagc aactttatta atgtcctgoa gcagcgtaca ttagtaatta 300
taacaatgca ttaaaatttt catttcatgt catagagaat cagttttctt catgatacat 360
tatgttttac tgagtgaagt tgtccctcca gagaccttct tgggaacatg ctttctccag 420
ggactgcttc ctaagatgcc caggttgctt accacaggtc atctttggtc attt 474
```

<210> 1123

<211> 474

<212> DNA

<213> Homo sapiens

<400> 1123

```
tgcaaggcat gggggtgtct gctgcccagg ccacttacag tggcctggag agccagtcag 60
tgagtggctg ttacggggcc ggctacagtg ggcagaacag catgggtggc tatgactagt 120
tttgtttaga acatttgagt tacttcaatc attttcacag gcagccaaca agcaattaag 180
agcagttata atagaggaag ctggggggacc cattttgcac catgagtttg tgaaaaatct 240
ggattaaaaa attacctctt cagtgttttc tcatgcaaaa ttttcttcta gcatgtgata 300
atgagtaaac taaaactatt ttcagctttt ctcaattaac attttggtag tatacttcag 360
agtgatgtta tctaagttta agtagtttaa gtatgttaaa tgtggatctt ttacaccaca 420
tcacagtga cactactggg agacgtgctt ttttgaaaa ctcaaagggtg ctag 474
```

<210> 1124

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1124

```
ctgatcgctt ctcagcgctg cgaactggaac tttccctccc attactggaa gaaacagtct 60
tagttttcac aggtttttct gcttcttctt caggctcctc ggcggtccca gctcgctgag 120
acttttcagg cttctcgctt cccgccttcc cgctccgccat tttccactcc ctg 173
```

<210> 1125

<211> 325

<212> DNA

<213> Homo sapiens

<400> 1125

```
cgaagccaag agaaaactgag gaaactttcc aaaccagtat atctcagatc tcatgatgaa 60
gtttccta atagaggaaa gtttatttct gcaaatgatg agccaactag ttattgaatg 120
taaaccagat ggcaaaacac ttcttgatta ggggcaaaaa ttcaaagtgc ttcttaaaac 180
ctccacaatt gattctcccc ctgtgatgta aacttagata tccctagagt ttctcagcat 240
ctttcttctt gagtggatgg cattatccct agaggtcatg gaccttacat cctcactgca 300
gtcacctttg gaaacaagac cgagg 325
```

<210> 1126

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 266

<223> n = A,T,C or G

<400> 1126

```
cctgagcgac cacctccctg ttcaggccca gcctctggag ttcattccta tcaatgtcat 60
tttgattgtg cagtaagatg aaaatttgtc attacaatag ttacagtgc agagaaatgc 120
acactatgta tcaaatagca aggaaatgaa gcaaattata acacagtgtg gcaacgcacg 180
agcaagtaac cattagagta gcattacttt gtccagtaaa tgcttcagtt ccaccacttg 240
tacacttacc aatgatttac ctcggnccg                                     268
```

<210> 1127

<211> 163

<212> DNA

<213> Homo sapiens

<400> 1127

```
aaattttacag ttctgctcat gcccaatggc cccatgcgga taaccagtgg tcccttcgag 60
cctgacctct acaagtctga gatggagggtc caggatgcag agctaaaggc cctcctccag 120
agttctgcaa gtcgaaaaac ccagaaaaag aaaaaaaga agg                                     163
```

<210> 1128

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 361, 437, 479

<223> n = A,T,C or G

<400> 1128

```
ccaaagacaa tgttcctttc catagcttag tctttccttg ctccagcccta ggagctgagg 60
ataactatac ctgggtcagc cacctcattg ctacagagta cctgaactat gaggatggga 120
aattctctaa gagccgcggg gtgggagtggt ttggggacat ggccctaggac acgggggatcc 180
ctgctgacat ctggcgcttc tatctgctgt acattcgccc tgaggggccag gacagtgcct 240
tctcctggac ggacctgctg ctgaagaata attctgagct gcttaacaac ctgggcaact 300
tcatcaacag agctgggatg tttgtgtcta agttcctttgg gggctatgtg cctgagatgg 360
ngctcaccce tgatgatcag cgcctgctgg cccatgtcac cctggagctc cagcactatc 420
accagctact tgagaanggg tcggatccgg gatgccttgc gcagtatcct caccatatnt 480
cg                                     482
```

<210> 1129

<211> 313

<212> DNA

<213> Homo sapiens

<400> 1129

```
agcgatttgc tgggtgtagac atccgtgtcc gtgtaaaggg tgggtggtcac gtggcccaga 60
tttatgctat ccgtcagtc atctccaaag ccctgggtggc ctattaccag aaatatgtgg 120
atgaggcttc caagaaggag atcaaagaca tcctcatcca gtatgaccgg accctgctgg 180
```

```

tagctgaccc tgcgcgctgc gagtccaaaa agtttgagg cccgtggtgcc cgcgctcgt 240
accagaaatc ctaccgataa gcccatcgtg actcaaaaact cacttggtata ataaacagtt 300
tttgagggat ttt 313

```

```

<210> 1130
<211> 553
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 516
<223> n = A,T,C or G

```

```

<400> 1130
ccaaaagaaa ttagcaatgg gaaatggttg ctttattttg tgaaagtaga atccaaagga 60
ttggaaaagg taacttggtga gccacaaaag gagataaact cccgtgaacct aacggaggtct 120
cacaactcaa gaaagaaacg ggaaattact gaaaaacaga tagatgataa cagaaaaattt 180
tctttatttg ctgaaagaaa ataccagact cttaactgta gcgtgaacgt gaactgtgtg 240
aacatcagat gcccgctgcg ggggctggac agcaaggcgt ctcttatttt gcgctcgagg 300
ttatggaaca gcacatttct agaggaatat tccaaaactga actacttgga cattctcatg 360
cgagccttca ttgatgtgac tgctgctgcc gaaaatatca ggctgccaaa tgcaggcact 420
cagggttcgag tgactgtgtt tccctcaaag actgtagctc agtattcggg agtaccttgg 480
tggatcatcc tagtggctat tctcgctggg atcttnatgc ttgctttatt agtgttttata 540
ctatggaagt gtg 553

```

```

<210> 1131
<211> 158
<212> DNA
<213> Homo sapiens

```

```

<400> 1131
ccgccgcttg tgctgcagcc atgtctctag tgatccctga aaagtccag catatttttg 60
gagtactcaa caccaacatc gatgggcggc ggaaaatagc ctttgccatc actgccatta 120
agggtgtggg ccgaagatat gtcctgtggg tggtgagg 158

```

```

<210> 1132
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<400> 1132
ccagaatggt ctggatctcc tgacctcgtg atctgcccgc ctgggcctcc caaagtgtgtg 60
ggattaccgg tgtgagccac cgcacccagc ctaaagttgg tttcttgaag cagttgatga 120
gattgggata ctggttttca gaaatgattg gagtgattta tgtaagttgg gaggggtttt 180
ttgatggggt tggttaaggtc ttacgttaaa ggaaaggat acagagataa atattggtac 240
ttgagtcatt agctttcaaa gaagcctggg gtaatggagg aaaggtaaga attgattctg 300
acagaatctt gagatgggca gaattaacat ctggaagagg tcacagtgtc ctgatttacc 360
ttacctgtgt ccaggatgg 379

```

```

<210> 1133
<211> 252
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> 205, 248
 <223> n = A,T,C or G

<400> 1133
 ctgaccaggc ttggagaatg agaaagggtt cccaaggaca ggatgccagc gggattcttt 60
 gttgcaaact gcacacagtg caatttttgg gaagcagggg tggggagtgg gcatgagacc 120
 gggttgttgg gaccactctg gggtcaggcc ctgggtgagg cacaggaggc tgcacacagg 180
 cacttggtgg gttctgccgg gtcanggtgg gaaggcagga gtagtgctctg tggcaggacg 240
 ggaagaanct tc 252

<210> 1134
 <211> 533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 401
 <223> n = A,T,C or G

<400> 1134
 ccagcccaaa cagtgtatta atcattagca aatggaactt taaggagtcc ttatcattaa 60
 ggtagtacaa gtatttatat tgtaaaactg atgtgtagct tgatcttttag gggacaggac 120
 caccaaccaa tacatgcaga ttttgtgtgt gtggacagaa ggtacttttg acattcagtt 180
 ttgctatata gaaacagaat gaataaatga acttttttct tttttctttt ttttgcaaga 240
 ggtaagtaaa agattcaatt tgattcttct agagggggga aaaaggagtt gaaagtaggt 300
 cttcattttg cagtcacatc ctgtacgaat tcttcacatg tgacttgctc gtctccatca 360
 atatctgctt ctctgatcat ttcactctact tcttcacatg ntagtttttc tcctaagttt 420
 gtcacatgac gacgtagttc tgctgcactg atataacccat tgccatcctt gtcaaagact 480
 cggaatgcct cacggatttc ttcttcacta tctggatctt tcatttttct agc 533

<210> 1135
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 1135
 ctggctaatt cagtcacatg aactctgctc tcacagttaa aacagttcta tgagccaaaa 60
 cctgatctgc tgcctcctct gaaattagaa gcttgatttc t 101

<210> 1136
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 1136
 gtgagggtccc agcttgaaga gaaagaaaac aagaagttcc ctgtgtttta ggccgtgtca 60
 ttcaagagcc aggtggtcgc ggggacaaac tacttcatca aggtgcacgt cggcgacgag 120
 gacttcgtac acctgcgagt gttccaatct ctccctcatg aaaacaagcc cttgacctta 180
 tctaactacc agaccaacaa agccaagcat gatgagctga cctattttctg atcctgactt 240
 tggacaaggc ccttcagcca gaagactgac aaagtcatcc tccgtctacc agagcgtgca 300

cttgtgatcc taaaataagc ttcattctccg ggctgtgccc cttgggggtgg aaggggcagg 360
attctgcag 369

<210> 1137

<211> 519

<212> DNA

<213> Homo sapiens

<400> 1137

ccttctcctg tgccctgggtg aaggtacaga cctcgctgtg tctccgatga ggtcagaagt 60
gtctctatct cataccacaa aggaacccaa gtgggagtag ggaacagatg gatggcgcg 120
agacctctgt gtctccccag agaaaggaag aaacttaaga accatcatag cctggtcctc 180
caacatctta cagatcatgt tttccaagag aaaagcctgt gttttcagaa actctgaatt 240
cagaaaaaga aacggaatgt gcgtaagaat caggccactg cctggaaaga ctttctctca 300
attcgtagcc tgaggctcag tgaaggaaac atgcagaaag aatgcctgag acgccccag 360
ggaataaggg aactctttat aacctccagt gctgtcatct gggatttttc tctgaagtac 420
aagaatttca ggtgatttaa gctgcttgat cacacttatt tgtgcaaaat tgattttcat 480
ttaatgttaa tgttttcctg cttaatttta tataacttc 519

<210> 1138

<211> 511

<212> DNA

<213> Homo sapiens

<400> 1138

aaaagcagtc aagctgtctg gactgcaccc totcaactga agttgagcca aattcccttc 60
tctcaaacc taacgccgcc atcactaaga gaatgggcat ctgggcttgg tcagagcatt 120
actaacaagc taatgtggga ttctctttgg ttatgaattt ttatttttat ttaagcatac 180
aaaaaataca gctagaagta ggctcctgca ttctaaaagc atttttaatc aacttaaact 240
atgttcttgg aaaattcacc acctggactg gttcagctctg cccatttccc tgtggaatct 300
agtatcagtg ttgtatttag caaattcatt tgagtgcga acagtgcact atattcagga 360
gccccgagg gtgggggcgg ccggcctggg cagacttaga tgctgtccat agctttgaac 420
tcgctgagg cctgcaccgg gttcacgtgc ttcttctgag atgcccgttt aatcttggtc 480
tgtgtctcat cctgtttctc tctcttcacc a 511

<210> 1139

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 422, 518

<223> n = A,T,C or G

<400> 1139

ttttttttta atattttatc cagttattct aattcagaag cattcttttc aagtaacagc 60
agcacttggt aaaggaaaaa aaatgcacat gtttcttagt aggttactaa atttgtacaa 120
ttaattaaga ttttagccat cagtgcgttt gaaaaggga atgtatttat tttcagcatt 180
aaaatgcttc caaaagatca agttgctttt gtttggttgt ttttttaacc gtaatgtaga 240
tgagaaaatt ggaggcaacc tcagtatagg aactgccact ttgaacagtt taggtcttaa 300
agagaaagtc aatctaattgc caaggggaga acaatgagct gaaattgtac caactcctct 360
ggccctcctt cctcaatta aaaaaacaca cttaccagtt ttgcttattt tacagatata 420
tngtggttct atagttttaa gcagcttggt aaattaaaaa agtgagactca attttgttta 480

ccttttctgta agtttttcat ttttgctgta tagcattngc aaaaatatgt aca 533

<210> 1140
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 79, 80
 <223> n = A,T,C or G

<400> 1140
 ccttttctact caggctaattg acaaacacaa taaaggcaga tatgctagtt taacataatt 60
 ggctgatttt atacagcann ttatatcttt tagtccacaa gtatattatt aaatgataga 120
 gaacatctaa tacaaccatt tctacagaac taggaaataa atttctaaga aagaaagatt 180
 ttacagaccc catcttttat acccacccca acagtctaac tctaaagagg ataaagccaa 240
 tgacttttct cacaagagct cagcactaac gtcgctttgc tatcaaaatc tgtattttctg 300
 atccgttatg agcattgaga caagattcaa atattccc 338

<210> 1141
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 1141
 ctacagcctgg tgaaccacac aggccagcgc totgacatgc agaaggtgac cctgggcctg 60
 cttgtgttcc tggcaggctt tctgtccc 88

<210> 1142
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 80, 165
 <223> n = A,T,C or G

<400> 1142
 tttttttttt tttttaggat cttaaaaaac catttaataa aaaaaatctt tgaagggaca 60
 aatgggaagt tttcacttan agtttgattt acaagacaat aggaggaatc agatttggga 120
 acacaacagg cttgaacact ttctggagac tgagagacag ttcanagtca gccctcaccg 180
 ttaaccagac ccttgg 196

<210> 1143
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 420, 439, 465
 <223> n = A,T,C or G

<400> 1143

```

aaaaaatggg atcaaaggaa gaggaaaatg ggcaagggtca tctcaaaagg aaacgacctg 60
tcaaagacag gctaggggaac agaccagaaa tgaactataa aggtcgatac gagatcacag 120
cggaagattc tcaagagaaa gtggctgatg aaatttcatt caggttacag gaaccaaaga 180
aagacctgat agcccagta gtgaggatta ttggtaacaa aaaggcaatt gaacttctga 240
tggaaacccg tgaagttgaa caaaatgggtg gtctctttat aatgaatggg agtcgaagaa 300
gaacaccagg tggagttttt ctgaatctct tgaaaaaacac tctagtagtc agcgaggaaac 360
aaattaagga cattttctac attgaaaacc aaaaggaata tgaaaataaa aaagctgctn 420
ggaagaggag aacacaagng ttggggaaaa agatgaaaca agctnttaaa agtctaaatt 480
tt

```

<210> 1144

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1144

```

ctgctgcaga gcagccagca gggagtccct gcctcactcg gaggtccctg agcccaatcc 60
cacaccctgc agagttctcc cctctctctg atccagggcg ggcctgtaca gaggtgctgg 120
ctgcttggtt acattctcct ctggggctct acctctccac acttccccag aagggaaaag 180
ggcacccctg attactcttt ggaaatcact ccttggtggg cagcatcctg aggtctcccc 240
agaaccagg

```

<210> 1145

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1145

```

cctggaaaac attctccaaa aagaagctgc aacatgtgtg gacaatgggc tttcatgcc 60
tctcttactg tctcttactg tctattgatc tgggtgcaaga aacatgctct ggtgatggct 120
gtgagggagg aatgaggata gacatagaca ctctgtgtgc tcaaacatgc ttctttatta 180
ctctgttatg actctgtctt ccctggggca ggaccccagc ctgcctacat ttgcagacag 240
acacagtggc atgtggagac aacagtgtgt cccaaagact tttctttacc ccctagctgt 300
cggcagtact cagtggaagg gtgatattat gacactgaca ctgc

```

<210> 1146

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1146

```

cctgtggatt ggcattccaaa tacagagtct tacgcagcgg ggaagtgggt gcgcgccccg 60
catgccacgg aaagcttaca taagtttaac ttgaacagag cttgggaaat ggggctgcaa 120
aggagggcag ttcccacgcc aggaaccaac gtgaaagcat tggaatcagc acaacagcca 180
tggaatcagg caggcagggg aggcagggct gtgtccttct gagctctata gtacagcaag 240
atttcaagca gtttccagaa aaacaacaac aacgacattt tctttcctta tcgacgggat 300
attttatggt tctggaagct tcgtgttgca cataggaaaa aaaatttctc tgaaacgtac 360
aattcatagg gac

```

<210> 1147

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1147

```
ctgcaggagc aggatcagaa gcaagcctat gaaaaacaac agaagcatgc agcgactttc 60
ttttatagca ccgcagcatc ccaggaagcc cagaatcatg atgatggcac ctacagcaat 120
caatatgtcc acagcaacgt aggagctaga gcctacatct tcagaaccaa aaattgcttg 180
agagtcattg cttactcgta cccatattgc taatgctagg atcaagatac cacatagcca 240
gaacaagaag ttgaaggtaa acatagaata ttttatacag gcactcacac ctgccatttc 300
ggaaaaggat taggaatcca gatgccgtga atttaactat tcgttacagg cttgtcctgc 360
aatatgctct ggagcaactt gcctgcagag atttctgtat ccacggcttc agagcagaaa 420
gagaaagcaa ag                                     432
```

<210> 1148

<211> 299

<212> DNA

<213> Homo sapiens

<400> 1148

```
ccacactcat coactcaggtg ctggaggccc ctggtgtcta cgtgtttgga gaactgctgg 60
acatgcccac tggttagagag ctggctgaga gtgactttgc ctctaccttc cggctgctca 120
cagtgtttgc ttatgggaca tacgctgact acttagctga agcccggaat cttcctccac 180
taacagaggc tcagaagaat aagcttcgac acctctcagt tgtcaccttg gctgctaaag 240
taaagtgtat cccatattgca gtgttgctgg aggctcttgc cctgcgtaat gtgcggcag 299
```

<210> 1149

<211> 543

<212> DNA

<213> Homo sapiens

<400> 1149

```
ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaattgat gttgaacttg 120
ttgctgaggg caacagcagg ttcaactaca ctgttcttgg agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgccctgccct 240
tccttgatat tgcacctttg gacatcggtg gtgctgacca ggaattcttt gtggacattg 300
gcccagtcctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagctgaat ctttccattt 420
cttctgcaca tctacttgct taaattgtgg gcaaaagaga aaaagaagga ttgatcagag 480
cattgtgcaa tacagtttca ttaactcctt cccccgctcc cccaaaaatt tgaatttttt 540
ttt                                     543
```

<210> 1150

<211> 311

<212> DNA

<213> Homo sapiens

<400> 1150

```
ctgaagatga tgaggatgac gatgtcgata ccaagaagca gaagaccgac gaggatgact 60
agacagcaaa aaaggaaaag tttaactaaa aaaaaaaaag gccgccgtga cctattcacc 120
ctccacttcc cgtctcagaa tctaaacgtg gtcaccttcg agtagagagg cccgcccgcc 180
caccgtgggc agtgccaccc gcagatgaca cgcgctctcc accaccaac ccaaaccatg 240
agaatttgca acaggggagg aaaaaagaac caaaacttcc aaggccctgc tttttttctt 300
aaaagtactt t                                     311
```

<210> 1151
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 1151
 tttttttttt tttttttttt tttttttttt ttttttccaa gaattgggaa ggttt 55

<210> 1152
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 1152
 ccagtacaac acctatccca tcaagctctt ctatacgtcc aacatcccca tcatcctgca 60
 gtctgccttg gtgtccaacc tttatgtcat ctcccaaag ctctcagctc gcttcagtgg 120
 caacttgctg gtcagcctgc tgggcacctg gtgcgacacg tcttctgggg gccagcacg 180
 tgcttatcca gttggtggcc tttgtctatta cctgtccctt ccagaatctt ttggctccgt 240
 gttagaagac ccggtccatg cagttgtata catagtgttc atgctgggct cctgtgcatt 300
 cttctccaaa acgtggattg aggtctcagg ttctcttgcc aaagatgttg caaagcag 358

<210> 1153
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1153
 aaacttgatc caacctottt gcatottaca aagttaaaca gctaaaagaa gtaaaataag 60
 aaggcaatgc ttgtggaatg tacagtgcac attggcgggc cagcctcat tacgattcgc 120
 ctgcttgctt ctctgttca atcgtttctt tggaaggcag tggatttttc tcttgctct 180
 ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatctcg ggtttgctcag 240
 acatgggtgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctggtctgcg 300
 cagtggcca 309

<210> 1154
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 1154
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
 agtcccatga aattaattat tttctctgct tgatcttggt ggacagtttc atgaagctgt 120
 cagttagtgc attaaagttt tggaaattct cagacagtgc agtgggtatca gaaacttgta 180
 ttcaagagta caggtcagag tcttcttttc ttttcttttc gagatggagt cttgctctgt 240
 tgccagactg gagtgcagtg gtgcgatctg ggtcactgc aatctccacc tcccgggttc 300
 aagcgattct cctgcctcag cctcctgagc ag 332

<210> 1155
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 1155
 aaaaaaaaaa cgccaaaaaa ctggacttag tttcatctat tgtaacattt acctgagatg 60

```

atcattttctt tagtctagaa tttgccccaa atcagaagta tacctctgaa ttatctgtat 120
gtgtcctgga ttccttgggg tcagattttt cctctggttt ccaaggcatt tttttttctt 180
taatgcagta aaaccattcc tttaaaaccc aaaatctctc atggaacccc tacgtatcaa 240
atatataaag caggagctgc ccttggttcag ggataatatg tggggcttat ggctctaaga 300
aacacagttt gacattcact gctctcctta cttcagttac ctcatgggat agataaatgg 360
gctggggccca gagagggggc atgacctgtc ctgggacacg cagccactga agccttttagt 420
ccagtgtccc ttccacagca ccacactgga ttctggagtc tttccagcca gggcagagga 480
agctgcaaca gtgccacgat aagagtttct gggctcttctg gtacctaccc totca 535

```

<210> 1156

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 45, 346

<223> n = A,T,C or G

<400> 1156

```

tttttttttt ttttttttta caaagtaaac tatgatTTTT attgngaaat tttcatagat 60
ggaaaattga atattctgtc catttcattt tacaattatc ttaccactta tttttgtacc 120
atgtatttca attgcctgtt tagtgaaaaa taaaaattaa aaaaacctat tcatttttgg 180
cttgtgttta gcttaaatTT tatcattaaa ttaaggagcc cacaacaaaa tgtgttgcca 240
gcagccatat cccaagcccc tgcgtgaaga atgttttggc tgctatttca acctaaaggaa 300
acaacgtttg acctcagtca ccttaaaatg ccagtgtggg cagaanattt tttattcttc 360
acaattaaaa accaaacaaa aacccctagc atcttgaagg tcctatttca gaaaatcttc 420
atatatgcaa aatgtcacca aaataaatac atttgcctca attatcatta ccaccagta 480
ttcatgtttt aatttttagg gatataattt ctaaaattt 518

```

<210> 1157

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1157

```

ccagagttga ctctaggtag tgatgtgatt ttcttgggat gtttttctaa atattctttt 60
atgctaaagc acatggcttg atacttctgt tgattaagct cgtgtctact tacagtcac 120
tagtgagaac ctgtggtgtg gtgagatgat aacttggctt ttggtcttca tcatttgaac 180
tagttttggg tttgtcttgt cccttccttg agcattttgt gtgtgtttta tcctatttgg 240
taaacgaacc actgtgaaaG accaagttgg agaaaacaga acacccccaa aacattttatt 300
ttttttttag aaaatcatgg ctactatgg tagtatacaa tattgttttc acacatgtac 360
acttgaaacc aaattttctaa aacttgtttt tcttaaaaaa tagttgttgt aacattaaac 420
cataacctaa tcagtgtgtt cactatgctt ccacactagc cagtcttctc acacttcttc 480
tggtttcaag tctcaagg 498

```

<210> 1158

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1158

```

gatgaatgcg gctgttaaga cctgcaataa tccagaatgg ctactctgat ctatgttgat 60
aaggaaaatg gagaaccagg caccctgtgt gttgctaagg atgggctgaa gctggggtct 120

```

```

ggacottcaa tcaaagcctt agatgggaga tctcaagttt caacaccacg ttttggcaaa 180
acgttogatg ccccaccagc cttacctaaa gctactagaa aggctttggg aactgtcaac 240
agagctacag aaaagtctgt aaagaccaag ggacccctca aacaaaaaca gccaaagcttt 300
tctgccaaaa agatgactga gaagactggt aaagcaaaaa gctctgttcc tgccctcagat 360
gatgcctatc cagaaataga aaaattcttt cccttcaatc ctctagactt tgagagtttt 420
gacctgacctg aagagcacca gattgcgcac c                                     451

```

<210> 1159
 <211> 375
 <212> DNA
 <213> Homo sapiens

```

<400> 1159
cctcttgggt gcattgggat ccttgaactt cttttttgtc tccccttttg gagggatata 60
ggttttcatt tctctttcat aacgggcctt gtccgctttt gccatatctt caaattttcc 120
tttctcttta gcagacatgg tcttccacct ctctgagcac ttcttagaaa actctgagaa 180
gttgactgaa gcatctgggt gcttcttctt atgctcctcc cgacaagttt gcacaaaaaa 240
tgcatatgat gacatttttg ctctcggtt cttaggatct cctttgcccc tgtttagtta 300
tttttcctca gcgaggcaca gagtgcacca gtgcccgtcc ggctctcact tgccccggcg 360
ctgtctctat ggagc                                     375

```

<210> 1160
 <211> 354
 <212> DNA
 <213> Homo sapiens

```

<400> 1160
ctgagcctgc actcataaat atgatactgt cctgcttctc ccttgctaata ataggcaata 60
aagagctttc tgaaggggaa gaaatattat tattaaaactg atttaatagaa ttactataat 120
tgcagtttca ataattagtt ttgtaaaatg caactggtat agcagttttt gaagttttct 180
aattttttcc ttctgttcac ttgggttctg ttaggtttgc cttttcacca ttgtctgagg 240
aagaggagga ggatgaacaa aaggagccta tgctgaaaga aagctttgaa ggaatgaaaa 300
tgagaagtac caaacaagaa cccaatggaa atagtaaagt taacaaagca cagg          354

```

<210> 1161
 <211> 88
 <212> DNA
 <213> Homo sapiens

```

<400> 1161
aaacagttgg aacaccggtg gcactgttaa ctgctttctg ggcagcctct ttagcttggt 60
gggcttgtag tacagctaca gcttcac                                     88

```

<210> 1162
 <211> 74
 <212> DNA
 <213> Homo sapiens

```

<400> 1162
cctcagccat gaagggtcca acagttctct tcagtgggct ggggtcaaaat tacaagggga 60
attggatgca ttgg                                     74

```

<210> 1163
 <211> 86

<212> DNA
<213> Homo sapiens

<400> 1163
aaatacatcg tgacctgtgt aattatgcag aagaatggag ctggattaca cacagcaagt 60
tcctgcttct gggacagctc tactga 86

<210> 1164
<211> 132
<212> DNA
<213> Homo sapiens

<400> 1164
aaagaggatt ctcataagga aagcaatgac tgttcttgcg ggggataaaa aagggcttgg 60
gagattcatg cgatgtgtcc aatcggagac aaaagcagtt tctctccaac tccctctggg 120
aaggtgacct gg 132

<210> 1165
<211> 434
<212> DNA
<213> Homo sapiens

<400> 1165
ccgggcaggt ctgtatcacc acagttaata gatgtctgat gtgtcccagt cacagagata 60
atacaaatgt gaggaataa tgctggtgcc tgaaagcatt ggagaccatt tgtaagaatg 120
ccatttggtg gttaaaagtga acatgaaaat tgttttagttt ttcttggttt cataaacatt 180
ttttcttcct gtagaactga taaatttcaa acggaagaga gtggcagcat ttagaaagaa 240
tctaattgaa atgtctgaac tggaaataaa acatgccagg aacaatgtct cccttttgca 300
gagctgtatt gacttggtca agaataactg atatgccttc actcagaaga aaagaaatga 360
atgtgaaaga aagccaagca tcacttgcac ttaaatcatt accacggaag atatattagc 420
ttcaacttta gttt 434

<210> 1166
<211> 398
<212> DNA
<213> Homo sapiens

<400> 1166
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggccca gaagtgaacg agccctctat gggcccgaat 120
cttcttcagt cgctccaggt cttcacggag cttgttggtcc agaccattgg ctaggacctg 180
gctgtatttt ccattcttta catcttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcgtgga ttctgcataa tggatgcac acgttccacc tcatctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtg tggcaaaggc tattttcc 398

<210> 1167
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 508

<223> n = A,T,C or G

<400> 1167

```

aaacactgct ggtgctttat gaaaggattt ctgtttacct gttgcacacg taacatgttc 60
ttacgaagtt ttctcgctgt gtagaaaatg cttaaaatgt ctacatcatt ttcattacac 120
ccccttaagc atgtttttcc ttcacaaggt gcagtcattt gacagtgttc cgtattgcac 180
gtgcaattta actttattag cactatttgt agcaaacacg agcctagtga attacagatc 240
tgtgtgggcc agagggattt tgccacgtaa taatgaagct tgacaggggc attctcataa 300
actgtctggc tacatatata tttttgcatt taatgcctat tcaatatatt ctgaagggtgc 360
tactotttgt gttatcaaga gttcataggg gttaggggga agtaagagct tgttaatgta 420
tttgggaagc acacctatgt tcacagacac aaaatggaat tgcattgtca ccccttagt 480
cttggtttgt tggctttttg tattgaanaa aggggttaaata aaaaacaaaa ataa 534

```

<210> 1168

<211> 495

<212> DNA

<213> Homo sapiens

<400> 1168

```

ctgcaataat ccagaatggc tactctgac tatgttgata aggaaaatgg agaaccaggc 60
acccgtgtgg ttgctaagga tgggctgaag ctggggtctg gaccttcaat caaagcotta 120
gatgggagat ctcaagtttc aacaccacgt tttggcaaaa cgttcgatgc cccaccagcc 180
ttacctaaag ctactagaaa ggctttggga actgtcaaca gagctacaga aaagtctgta 240
aagaccaagg gaccctcaa acaaaaacag ccaagctttt ctgcaaaaaa gatgactgag 300
aagactgtta aagcaaaaag ctctgttctt gcctcagatg atgcctatcc agaaatagaa 360
aaattctttc ccttcaatcc tctagacttt gagagttttg acctgcctga agagcaccag 420
attgcgaccc tccccttgag tggagtgcct ctcatgatcc ttgacgagga gagagagctt 480
gaaaagctgt ttcag 495

```

<210> 1169

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1169

```

ccagaactcc tcaactgggca ttatttggtg ccagtgaag aggcctttgat cccaaggaca 60
caagacatca gagaaagaac aaatcaaagg ctatttcttg atgttgagat tatctgattt 120
caaggtactg aaggacaaaa acttggtatg cctcaaaaagg ttcttgaaca ccaactgtgat 180
tctccaagga cgaattacgt aaattatact ttcatacaaa ggagacgata aggcagtaaa 240
catggagaca cgggggacag cgtccacact cagagggcct gggccacagc cccgatgttt 300
cttttcagaa ctcagccctt ttcctgattt tacttctaag aggaaaatta ttttggggag 360
gaactacaca gtcgtgatta gaatttatct gatggttttg tattataact tgtaagacct 420
gccagaatgc tagtcccag agtgtcagac aaggagaag tccctgggcc tcttc 475

```

<210> 1170

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1170

```

ccaggtttct gcccacattg gaccacatg aggacatgat ggagcgcacc tgccccctgg 60
tggacagtcc tgggagaacc tcaggcttcc ttggcatcac agggcagagc cgggaagcga 120
tgaatttgga gactctgtgg ggcttggtt cccttggtgt tgtgtgttga tcccaagaca 180
atgaaagttt gcactgtatg ctggacggca ttccctgctta tcaataaacc tgtttgtttt 240

```

<210> 1171
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 1171
 ccaacatggt gaaaccccggt ctctactaag aatacaaaaa attagctggg tgtgggtggt 59

<210> 1172
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 1172
 ccaagtaagc tgtgggcagg caagcccttc ggacacctgt tggctacaca gacccctccc 60
 ctctgtgtcag ctccaggcagc tcgaggcccc cgaccaaacac ttgcaggggt cctgtctagt 120
 tagcgcccca ccgcccgtgga gtctgtaccg ctcccttaga acttctacag aagccaagct 180
 ccctggagcc ctgtttggcag ctctagcttt gcagtcgtgt aattggccca agtcattgtt 240
 tttctcgcct cactttccac caagtgtcta gagtcattgt agcctcgtgt catctccggg 300
 gtgg 304

<210> 1173
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 1173
 ctgtgacggc ttggagaaaac agtgtaaact ggacagtgtta acaaaagcag ggcatgtatg 60
 agtagttgag aatgggtgaat aggagtatga ctacacagaa gatagtaggg atgacaagtt 120
 atttgggggc acagtctaag tttgtctggt gtctggaatg aggctggggc ctaataaaaa 180
 ggaacgtcta tacaggagct caaatgggct gtaccttgta gcattctgag gacagg 236

<210> 1174
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1174
 caggtccaca tatgcccctg tcatctctgc tgagaaagcc taccacgaac agcttactgt 60
 agcagagatc accaatgctt gctttgagcc agccaaccag atgggtgaaat gtgaccctcg 120
 ccatggtaaa tacatggctt gctgcctgtt ataccggtgg gacgtgggtc ccaaagatgt 180
 caatgctgcc attgccacca tcaaaaacaa gcgtaccatc cagttttgtg attggtgccc 240
 cactggcttc aaggttggca tcaactacca gcctcccact gtggtgctg gtggagacct 300
 gg 302

<210> 1175
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 1175
 cgcaaaacta accccctaataaaaatttaatt aaccactcat tcatcgacct cccaccccca 60

tccaacatct ccgcatgatg aaacttcggc tcactccttg ggcgcctgcct gatcctccaa 120
atcaccacag gactattcct agccatgcac tact 154

<210> 1176

<211> 435

<212> DNA

<213> Homo sapiens

<400> 1176

aaaagcaaca tgtttttata agaaaattgt tataaatgaa aaacgtgact tcttgaagac 60
agttttgaat gtctaaaaat gttgttatca ctactgagag gaaacttgcc tatgaaaaat 120
attataatga gtttgtggaa aaaagttaac aggttaaata ttttaagcca tttaactata 180
gcataatatt agtcatctga gcactttcag tatcactcct attttattaa atttatccaa 240
tttattaata gaaactaggc cctgattggc agttctgtta ttactaatgg ttcaagtttt 300
ctattttacac agatttttaag atttaatttc tcgaacaaca gtctcttgat taggagtttc 360
gtcttcttca aagggttgggt tgtcaacatg aggaataaca tccactgccca cagaatttgc 420
ttcatggttt accag 435

<210> 1177

<211> 267

<212> DNA

<213> Homo sapiens

<400> 1177

ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgcggtta tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggc ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccac 267

<210> 1178

<211> 236

<212> DNA

<213> Homo sapiens

<400> 1178

aaaagtagta ttaataaagg cttcaaaact ccaaagtaat tttctggtaa gaatttcaag 60
tactatatca gaaagtataa aactgtttca aacagaaaaa aaaaatcctt aagcccccca 120
aaaatggaaa ctatgaaaat ctgtgtcccc aaaatatatg caatagtgcg agactttccc 180
tcaaacatgg aagacctcat tcaaaggggg aaaaaggggc agattttact catatt 236

<210> 1179

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1179

cctttgtccg gcaccctgcc cacaggctga gctcagcccc aggccctttc aggcattctag 60
acactcccat agcctgtcag gctggggcaa ggagatccca ggtcacacat actccttgga 120
agagttggac ttagggttaag agcggggtgc acggtaccca gccttgctct cattcccagg 180
acaggaacag gagagtagtg cacctcccag gatgactagg gcagacctg ccagagccaa 240
aaagatggca gggccaaact catacttaat gttggtaggg atcaaagggt tataaaagtc 300
tgtgacaatc tgatgg 316

<210> 1180
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 339
 <223> n = A,T,C or G

<400> 1180
 aaagcggatc tttcctcttt gggccatggg tggatttcct gctcaagcaa cttcatctc 60
 ttaagctgtg ttgcttgaa tctggacttt ccattcaagc tggggcccat caatcactcg 120
 gcggctcttc taatgtctta atcatcctga aatgcctctg ccggccgcat tacgtgccta 180
 aatccaaatc atgcctcgac tctttccaga accctctgtc gccatgctag cgtccacaga 240
 cctgctccct tgaacacctc ctctgagatt cactgtccac gcactgtgct tttcctggct 300
 tggtcgggtc ctgtgttcac gtacttcctg gctttgcanc ttggcactgg agctgagtct 360
 gaaccccgagc cttaccctga agtagttacg t 391

<210> 1181
 <211> 604
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 550, 563
 <223> n = A,T,C or G

<400> 1181
 ccagcccaaa cagtgtatta atcattagca aatggaactt taaggagtcc ttatcattaa 60
 ggtagtacaa gtatttatat tgtaaaactg atgtgtagct tgatcttttag gggacaggac 120
 caccaaccaa tacatgcaga ttttgtgtgt ggacagaagg tacttttgac attcagtttt 180
 gctatataga aacagaatga ataaatgaac ttttttcttt tttctttttt ttgcaagagg 240
 taagtaaaag attcaatttg attcttctag aggggggaaa aaggagttga aagtaggtct 300
 tcatttttgc gtcacatct gtacgaattc ttcatagttg acttgtccgt ctccatcaat 360
 atctgcttct ctgatcattt catctacttc ttcactgtgt agttttttct ctaagtttgt 420
 catgacgtga cgtagttctg ctgcactgat ataaccattg ccactcctgt caaagactcg 480
 gaatgcctca cggatttctt cttcactatc tgtatctttc atttttctag ccatcatagt 540
 caaaaattcn ggggaagtca atngtgccat taccatcagc atccacttca ttgatcatat 600
 cctg 604

<210> 1182
 <211> 601
 <212> DNA
 <213> Homo sapiens

<400> 1182
 cctgctgggc ttggcaacga gggactcggc ctccggaggcg acccagacca cacagacact 60
 ggggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcacia agtcatcatg 120
 gcttcagcgt ctgctcgtgg aaaccaagat aaagatgcc attttccacc accaagcaag 180
 cagagcctgt tgttttgtcc aaaatcaaaa ctgcacatcc acagaacaga gatctcaaag 240
 attatgcgag aatgtcagga agaaaagttt tggaagagag ctctgccttt ttctcttgta 300
 agcatgcttg tcacccaggg actagtctac caagggtatt tggcagctaa ttctagattt 360

```

ggatcattgc ccaaagttgc acttgctggt ctcttgggat ttggccttgg aaaggtatca 420
tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggt 480
tttgggtccac agcataacag gcaactgcctc cttacctgtg aggaatgcaa aataaagcat 540
ggattaagtg agaagggaga ctctcagcct tcagcttccct aaattctgtg tctgtgactt 600
t                                                    601

```

```

<210> 1183
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 328, 385
<223> n = A,T,C or G

```

```

<400> 1183
ccagatttct ggcacttgta gcaagctcct gtgggaggag gttctggagg aacgcctggc 60
tgctgcggtt caggtgtttg gaagtctctg ttgtctggag atgtggctgg ggtttgtctc 120
acagtggagg caaggaattg caactttttt tttttattat tgtacacctt gaaggcgagg 180
ttaattaaat cctgttgtgg agtttgaggg ccggaattta atttttggag ttttatttaa 240
tatcgggagc agattgggta ataaaatgta tattgagaat aagacggcct tttgaccttt 300
tagggctctag ggctgtaaaag tgtctcangg ttgtctccga acgagccatg aactgggctg 360
ggttttttata tttgatgaaa aagancctaa acgcttctga tttgggataa agaaaaagga 420
gcattaacct tgactatgtc ttttagc                                446

```

```

<210> 1184
<211> 423
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 384
<223> n = A,T,C or G

```

```

<400> 1184
aaaaatcagg caagttgtct gtaacatttt tcaataatct gggaagcact gcaatccagt 60
gtacgatgtg ctgattagtg ttgtctttgt tggcactgac ccaccaaggg aatgacatgt 120
acgatgaaga aaaagtgaag tacactgtgt tcaaagtatt gaagaactcc tcgcttgctg 180
agttttgttca gagcctctct cagaccatgg gatttccaca agatcaaatt cgattgtggc 240
ccatgcaagc aaggagtaat ggaacaaaac gaccagcaat gttagataat gaagccgacg 300
gcaataaaaac aatgattgag ctcaagtata atgaaaaccc ttggacaata ttcttggaag 360
cagttgatcc cgagctggct gctngtggag cgaccttacc ccagtttgat aaagatcatg 420
atg                                                    423

```

```

<210> 1185
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 209, 216, 228, 242, 260, 287, 305, 353, 355, 382

```

<223> n = A,T,C or G

<400> 1185

```
aaactccaaa tgctgcagat gaaagtaa at acaacaaatg caagtaaata caacaaaata 60
acaataaaaat cacttggtgt ctgacttgct ggattctggt taagcacaga tgggatgttc 120
ctgatattca ctaagaagag tctaactaat ggctactgtg tgtgtgtcag tagcccaggg 180
tttttttttt tttttttttt ttaagggana acctancatt ttatttanat cttcattaaa 240
cngttggaat tgagaaccan acatacgtaa taaacctcca aaaatanatc ctgaaaggca 300
cttnttgctt agggcaagca gtcattggaat aagcatgtaa acaagctggc ttntntgtac 360
cacaccagcc aagtcagctt tntccatgg 389
```

<210> 1186

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1186

```
ccaccatctc gcgctccttg cgctcgggga agccgtagtc tggcgggaag gttggctggt 60
tttacatcta aagcaataga ctagaactga attatcttct acatagtaaa atcacaattg 120
tggaattaca ggaattctgg tgatattaag gtgaaataac aaaacacaaa aggccctatt 180
ttaacagttg atgtgacagt aagttttaat agaacctgta acttcatttt ggaaatgctt 240
ctccaccaa taagggcttt ttcccttatt taaggagcca gatggattga aagatgtgga 300
aataggcag 309
```

<210> 1187

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1187

```
atcacatctc cccaaaatca tctaagagac atatttacac aagttctgac catgctaaaa 60
aattcatgaa tgtgatggtg tataaagcat ttggtacatg atgatacttg ctttccagaa 120
gctggcattt gcatattata aaacgttaag aagaaggctg acctcggaat gtaacagaca 180
atagttttat gtttcttctc aatatacagt gacctggaag gactccctgt tggtaaaacc 240
tgcttcccca ctgctcagcc tgccatcagc catccag 277
```

<210> 1188

<211> 67

<212> DNA

<213> Homo sapiens

<400> 1188

```
caggctgccg gccccccagt ccagccctct ccottccact ggtgccttgc ttagagccag 60
aagggat 67
```

<210> 1189

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1189

```
aaacagttgg aacaccggtg gcaactgttaa ctgctttctg ggcagcctct ttagcttggt 60
gggcttgtag tacagctaca gttcatcaa ccttagaacg gagtgactct ggagactcga 120
gcatatgaag aagttctgaa ttatcaatct ccaacaacat gccagtgatt ttaccagcaa 180
```

```

gagtaggggtg catggcttga ataagaggaa acagccgttc acccaacatt tgcttttgc 240
cttgaggagg ggcagatgcc aacatggaag cagtcaaagg ttcttgacct tgtacatgaa 300
cagcaggctg ttgcattgta acttgtggct gtgcattaag atgttgctga ggattgcaaa 360
ctcctgcagc atatttatac tgtggaacgg tgcggacagc aggagtagct gcagcggctg 420
cag                                                                 423

```

<210> 1190

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 35, 126, 186, 229, 269

<223> n = A,T,C or G

<400> 1190

```

nccagctcga tgaaactccg tctctactaa aaatntaaaa attagcagag cacagtggca 60
cctgcctgta atcccagcta ctcaggaggg tgaagcatga gaactgcttg aacctgggag 120
gcggangttg cagtgaagccg agattgtgcc actgccctcc agcttggaca atagagcaag 180
atttcntctc aaaaaaaaaa agaaaaaagaa aaccattatt ttgcaatanc caatgttata 240
atctacacag gcacagacta tcaatgctna aaatcatTT 279

```

<210> 1191

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 561, 571

<223> n = A,T,C or G

<400> 1191

```

cctactttctg cttcctcagg acaacttccc cacctctgtc ctgggaccac ctgcccgcct 60
gggcctgcag tgactaagga cgctgtctcc actccagggg ccagtgcag agagcagcta 120
tacagagggc ccaccccgca ggatccttga caggagctga gacagaacaa actgctgctt 180
gtctccctac cctgggggct gtgatattct tggtaacatc totgagctgg tctgtgaggt 240
cacttcctct ttttaacactg ttgaggagac tccaaaccct gtcttttctc cgtcttctca 300
tgtcgattgg gcaccagcca ttctcaggca ccagagcaca gccccacacg ggtgccccat 360
cagacagggc tgcccacagc agcctcctac acctgaactg ggtttctctg cacactcaca 420
gccgtctcac cagctcaatg agctgctgga tgtttttggt ttggttcgac aagccgttcc 480
tgatgttttc gagtaggcat ctcttcaatt caaatatggc ttactgtag gccaaagctca 540
ctgcggccat gggagggtgct nctgtccaca ngacctcggc 580

```

<210> 1192

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1192

```

ccacactctt caagatcctg gcgtccttct acatcagcct agtcatcttc taaggcctca 60
tctgcatgta tacactgtgg tggatgctac ggcgtccct caagaagtac tcgtttgagt 120
cgatccgtga ggagagcagc tacagcgaca tccccgacgt caagaacgac ttgccttca 180

```

tgctgcacct cattgaccaa tacgacccgc tctactccaa gcgcttcgcc gtcttcctgt 240
 cggaggtgag tgaaaacaag ctgcggcag 269

<210> 1193

<211> 396

<212> DNA

<213> Homo sapiens

<400> 1193

ccttcctccc ttccagcact ggggctcaac agtggactga gtgtttggta gtgtacattt 60
 ccaatcctaa tagagcaaag ccagacttct gctttgatga ctgagctaca gggacaggag 120
 tgggtccaagg ttctcaaatt ctgtttttgt tttttccag acttctatac tattgtctgc 180
 cctaggtgtg agggaatgct ggtagtttg ctgaacagac actgtgttca gcagggtttg 240
 tggatatctca aatcccaggt ctgagccaaa gctttgcagt tcacctgac tccagggaac 300
 agggcctcct ttcgaggtga ggcacttggg ttcttgccct tgctttcttc cagtgagaac 360
 tgtttcctcc tacttctaca agcattgcac tgccag 396

<210> 1194

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1194

ccaccaattg gatccaggag aaagtgtggc tctctcagga ggtggacaaa ctgagagtga 60
 tgttcctgga gatgaaaaat gagaaggaaa aactcatgat caagtccag agccatagaa 120
 atatcctaga ggagaacctt cggcgtctctg acaaggagtt agaaaaacta gatgacattg 180
 ttccagcatat ttataagacc ctgctctcta ttccagaggt ggtgagggga tgcaaagaac 240
 tacagggatt gctggaattt ctgagctaag aaactgaaag ccagaatctg cttcacctct 300
 ttttacctgc aataccccct taccccaata ccaagaccaa a 341

<210> 1195

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1195

ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
 catacttccc ccattattcc tagaaccagg cgacctgoga ctctttgacg ttgacaatcg 120
 agtagtactc ccgattgaag ccccatctcg tataataatt acatcacaag acgtcttgca 180
 ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggaac gtctaaacca 240
 aaccactttc accgctacac gaccgggggt atactacggg caatgctctg aaatctgtgg 300
 agcaaaccac agtttcatgc ccacgtctct agaattaatt cccctaaaaa tctttgaaat 360
 agggcccgtg tttaccctat aacaccccct ctaccccctc tagagccaaa aaaaaaaaaa 420
 aaa 423

<210> 1196

<211> 314

<212> DNA

<213> Homo sapiens

<400> 1196

catgaatgtc ctggcagatg ctctcaagag tatcaacaat gccgaaaaga gaggcaaacg 60
 ccaggtgctt attaggccgt gctccaaagt catcgctcgg tttctcactg tgatgatgaa 120
 gcatggttac attggcgaat ttgaaatcat tgatgaccac agagctggga aaattgttgt 180

gaacctcaca ggcaggctaa acaagtgtgg ggtgatcagc cccagatttg acgtgcaact 240
 caaagacctg gaaaaatggc agaataatct gcttccatcc cgccagtttg gtttcattgt 300
 actgacaacc tcag 314

<210> 1197

<211> 71

<212> DNA

<213> Homo sapiens

<400> 1197

aacgagttca tcctgcagcc catccacaac ctgctcatgg gtgacaccaa ggagcagcgc 60
 atcctgaacc a 71

<210> 1198

<211> 408

<212> DNA

<213> Homo sapiens

<400> 1198

cctcactttt tggagccacc ttagctgggtg cctaggcaga ggggcagtca gcagtggtta 60
 tcaggatcct ggctctatgg gttgccttcc tcctgggtctg taaagcccct gcaggcaggg 120
 acttcttaga tagctgcttc cttagggcat ggcatgtagt gggtaggttaa tgaatggaag 180
 agaggggaatg agtgatcaag ggagggagga gggagtggag tggagatttc tcctcctttc 240
 ctgttaattt atgacatcct cctgcctatg agtccttgac tctggagttt taaaaagcag 300
 tcacatttca aataaaaagtc tgggaaagca acacatcatc gccaaactttt aattttgcta 360
 aataaggata ttagaaaaag aatagaaaat tgcagtcctt tactgttt 408

<210> 1199

<211> 514

<212> DNA

<213> Homo sapiens

<400> 1199

gtagtttctt catttcagga agactgacag ttgttttget tcttctttaa agcatttgca 60
 acagctacag tctaaaattg cttctttacc aaggatatct acagaaaaga ctctgaccag 120
 agatcgagac catcctagcc aacatcgtga aaccccatct ctactaaaaa taaaaaatg 180
 agctgggctt ggtggcgcgc acctgtagtc ccagttactc gggaggctga ggcaggagaa 240
 tcgcttgaac ccgggaggtg gagattgcag tgagcccaga tcgcaccact gcactccagt 300
 ctggcaacag agcaagactc catctcaaaa agaaaagaaa agaagactct gacctgtact 360
 cttgaatata agtttctgat accactgcac tgtctgagaa tttccaaaac tttaatgaac 420
 taactgacag cttcatgaaa ctgtccacca agatcaagca gagaaaataa ttaatttcat 480
 gggactaaat gaactaatga ggataatatt ttca 514

<210> 1200

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1200

aaatgagatt cgttattgtt gcttttatgt gaatccttag tacatggcct gctgcaaaca 60
 cccaggacac cgaggaaatg gtcgttgctg tttgattttc ctcatcccca gtctcaaggg 120
 gaagccaggc caatgagaag agccacttgc catcaggctg tcccttttagg agtcaactgaa 180
 agggccccag ggtgggatgg tggggagata agaaccacga gagaagttgg cacaaaggag 240
 ttatg 245

<210> 1201
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 1201
 ctgaaaacag tgggaggcca gatgctggcg tcttcaggc gggaaacgtag ccatgatcac 60
 tctagggccg atgtctcctg gggctctccg gcaggacaag acaggtgcac cggtagctgtg 120
 caatcccagt ttacttaga gccacctctt gtttgggggg gcattagtc tcatctcatg 180
 ccagattttc 190

<210> 1202
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 1202
 ctgtttcaaa gttgggggtct gttcttgaat cctctattaa ttactgtgtg tgagccagag 60
 ggagctgtgg taagggttgg gccccagcc tgtagggaac tttctggact cccactcttt 120
 gaatcgatat aggcatttgg tctcactact tgaccattct caccctgtga aacgtccac 180
 actttgaagc aaatacaatt cacagcacag tacacacaaa aaccttggca taagacagag 240
 aaggttcttc ttattttgtg ggctggttgc tgtagaaaca cataacaaag ggcagccctc 300
 cacttctggt ataatttgtt agcccccttt ctttgggctt gacacctgtc ttgaataaga 360
 gtgattagag ctgcataatg tccctctctt ggctattgac catgtggttc acgtacaaaa 420
 ctctgtataa gttgaaggaa aatgttcatg ttcatatgta cttgtttgct atgactacat 480
 tttgaggttt tgtaaaactg ttattttttt tttttcacia tgtgaaactg aagggtcaata 540
 aattattaga ga 552

<210> 1203
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 1203
 aaaaagtaca tctctctccc tctctcccca catgcacaag gctcacatct cattatggtg 60
 cggcccatgt acattaaagt gtgatacttg gttttgaaaa cattcaaaca gtctctgtgg 120
 aaatctgaga gaaattggcg gagagctgcc gtggtgcatt cctcctgtag tgcttcaagc 180
 taatgcttca tctctctctaa taacttttga tagacagggg ctagtgcac agacctctgg 240
 gaagccctgg aaaacgctga tgcttgtttg aagatctcaa gcgcagagtc tgcaagttca 300
 tccccctctt cctgaggtct gttggctgga ggctgcagaa cattggtgat gacatggacc 360
 acgccatttg tgg 373

<210> 1204
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1204
 ctgttgctgg aagacatggc ggttggtgaa atgacccaag caaagcgggt ctgctttctg 60
 gctggtagtt ctgagtgtct cgttgctgcc aggctgttga gaggggttcag caccaggggt 120
 cttgtgctgc ttattgccag gtgcactcag agagacattc tgaagggaac cctgcaagtt 180
 gcctgttgtt gttcttccca ggggaggact gagcatacaa ccaactgcttc ccaaggagg 240
 cttttccac aaagggggca cagcagctc ctgtccattt tttactggtg gaccaccat 300

ggctgttgcc tctcaggtg gactgatgcc tgataaccca ttggcactga gtttccccag 360
 tgatgctgcc tgcagcagtg catccatctt cttcctagtt tcctcttttg tgagagccag 420
 ctctctcttc aggagctcgg cgccatgcc atgctgccat tctgtaaagc agtgtcgga 479

<210> 1205

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1205

ctgtgatgtc ttggagaaac agtgtaaacc ggcagtgtaa agaagagcag ggcattgtatg 60
 agtagttgag aacgggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
 ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttggtga 180
 gcctaattggg tgtcagggtc agtctaagtg aaggcaaaga gaggctggga tgaagggtgc 240
 aaagcaatag taaagaaagc atgtctgaga tccagaacag aataatgggt agtagaggga 300
 ggtattgagg ataggagagt atatgggttt ggcaccacgg ggtggatagg caaaacaatt 360
 tggttgataa ggcgcagatc ctgaactaac ttgtaaggct tgtctcgttt taggacagga 420
 aaaatggggg aattgtaagg agagtttata gggttt 456

<210> 1206

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1206

aaatacattt tcaaaaattat ctattactag gtccactggt ctccacataa tgaaactatt 60
 ctggcttcaa gtggtactga ccgccgctg aatgtgtggg atttaagtaa aattggggaa 120
 gaacaatcag cagaagatgc agaagatggg cctccagaac tcctgtttat tcatggagga 180
 cacactgcta agatttcaga ttttagctgg aacccaatg agccttgggt catttgctca 240
 gtgtctgagg ataacatcat gcagatatgg caaatggctg aaaatatatta caatgatgaa 300
 gagtcagatg tcacgacatc cgaactggag ggacaaggat cttaaaccga aagtacgaga 360
 aatgtttctg ttgaatgtaa tgctacatga atgcttgatt tatcaagcgc caaaaaggca 420
 ttgtatagta ggaaatgtaa gtgggggtgc ttatggcttc tttatcctct gattctagca 480
 ctttcaagtg agctggttgc gtactgtatc atattgtagc 520

<210> 1207

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1207

aaagaaggta aaattggaaa aaaaaaaaaa aaagaatttt tttttgtttt aattaaaacc 60
 tctccttaca aaataaataa ttttagcaag tggaaatgtct tgaagggttaa ctgctggtgt 120
 tctgagaggc acaggtgaca gagcgagcag gcattctgct tcacatggg gccaggcag 180
 gcaaccgggg gcagtgtgct cgggcactta ttggctgctg aaacattccc agaacagatt 240
 tcatctcctt tgcttgctt ttacctctt cttaagactg cagtgaacaa gcaaaggcag 300
 gaggaatgc actaaaagag tgcaaatgtt tcccagcagc accgttttaa ggctcaagg 360
 gttttctct tctt 375

<210> 1208

<211> 454

<212> DNA

<213> Homo sapiens

```

<400> 1208
cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatagt gttgaagtgt 60
tggggcggca aaaatttttg ggggtggtat ggagagagaa tgggcgatgt ttctcagggc 120
tgcttcaagc gggattaggg gcggcgtggg aacctagagt gggagagatt aagctgaatg 180
gaagatcttg tggtaaaggg tgatattgtg gggttgttag aagaaacatt tgtcgtatag 240
aatgattggg gatggcctgg atacggtttt gtatgaattg aaaaatggaa taagagaagg 300
agagaaacag gtataaaagg tctaagaatt gggaggacct aggacatctg attagagtgc 360
ctaaggagat tcggcatagt cctgccagca aagattatth atttacttca agagtttaga 420
gtggcagttt ggggatagca ccaggagata tcag 454

```

<210> 1209

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 43, 178, 209, 264, 282, 286

<223> n = A,T,C or G

```

<400> 1209
aagctttttt tttttttttt tttttttttt tttttggata agngctttat ttttatattc 60
tctatgaaaa catcaataat taagcccctt tgttctaagc cagaaacact gtaaaactac 120
cattaaacaa ggcagtatgc cttacaagaa agacataaaa tgtccaaggg atatttanaa 180
catttttagtt cttaaagtth caacatgana aatgttgacc acacactggg aaatcatttc 240
aataaataac aactgacatt catntaaaca gttacaaaac anatgngcac atacattccc 300
ctgccttcac aatgatctca ttgg 324

```

<210> 1210

<211> 535

<212> DNA

<213> Homo sapiens

```

<400> 1210
ggaagaaatc gatgttggtt ctgtggaaaa gaggcaggct cctggcaaaa ggtcagagtc 60
tggtacacct tctgctggag gccacagcaa acctcctcac agcccaactg tcctcaagag 120
gtgccacgtc tccacacatc agcacaacta cgcagcgctt cctccactc ggaaggacta 180
tctgtctgcc aagaggggtca agttggacag tgtcagagtc ctgagacaga tcagcaacaa 240
ccgaaaatgc accagcccca ggtcctcgga caccgaggag aatgtcaaga ggcgaacaca 300
caacgtcttg gagcgccaga ggaggaacga gctaaaacgg agcttttttg cctgctgtga 360
ccagatcccg gagttggaac acaatgaaaa ggcccccaag gtagttatcc ttaaaaaagc 420
cacagcatac atcctgtccg tccaagcaga ggagcaaaaag ctcatthctg aagaggactt 480
gttgcggaac cgacgagaac agttgaaaca caaacttgaa cagctacgga actct 535

```

<210> 1211

<211> 395

<212> DNA

<213> Homo sapiens

```

<400> 1211
gcgatccgag ccgggacggg ctgcaggcgg ggggtgctgca gaggacacga ggccggcggc 60
tgagacatg gaccgcggcg agcaagggtct gctgagaaca gaccagtcct ctgaggaagg 120
agaagatgth gctgccacga tcagtgccac agagaccctc tcggaagagg agcaggaaga 180
gctaagaaga gaacttgcaa aggtagaaga agaaatccag actctgtctc aagtgttagc 240

```

```

agcaaaagag aagcatctag cagagatcaa gcggaaactt ggaatcaatt ctctacagga 300
actaaaacag aacattgcca aagggtggca agacgtgaca gcaacatctg cttacaagaa 360
gacatctgaa accttatccc aggttgagaca gaagg                                     395

```

<210> 1212

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 38, 129, 168, 206, 217, 250, 262, 288, 303, 314, 323, 332,
363, 365, 381, 425, 443

<223> n = A,T,C or G

<400> 1212

```

tttttttttt tttttttttt tttttttttt taaggggngc actttttattc aactgggtctc 60
aagtcagtggt acaggttaagc cctgggtgcc tccacccact cccagggaga ccaaaagcct 120
tcatacatnt caagttgggg gacaaaaaag ggggaagggg gggcacccnaa ggctcatcat 180
tcaaaaataaa acaaaaataaa aaagtnttaa ggcgaanatt aaaaaaattt tgcattacat 240
aattttacacn aaagcaatgc tntcacctcc cctgtgtgga cttggganag gactgggcca 300
ttntccttaa aaanaagtgg gngggctttt angatggcaa gggacttcct gtaacaatgc 360
atntnatatt tggaatgact nttaaaaaaa caacaatgtg caatcaaagt cctcggccac 420
attgngaact ttgggggatg ctngctccaa ccgactgggtg tca                                     463

```

<210> 1213

<211> 359

<212> DNA

<213> Homo sapiens

<400> 1213

```

cctagggggc atatcaaggg tttaatagac tgggggaatg ggcaacagaa ctggctacct 60
tagaggctct ggaatgcccc ccacccatcc acccaccaat ggaaggaaag tcaggcatcg 120
cctaaaagga gtggtcccta tctagcccca agtctggagc agaaagggca ggtccattct 180
ggcccaagtg acattgttag atcctgtccc ctcccccaat cactgctgct tgccagggtg 240
cctcttcaca gttcccatgt ggcagcagta gtggcagagg cagaagtgga cttattgtag 300
attgcagtac agatacatgg acacaatcat ggcagccagc tcgaggcccc caattccag 359

```

<210> 1214

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 574, 578, 582, 588

<223> n = A,T,C or G

<400> 1214

```

tgcataatcag ttgagcttca tataaccagca atatatctga agagctatta tataaaaaacc 60
ccaaactggtt gattattagc caggtaatgt gaataaatc tataggaaca tatgaaaata 120
caacttaaat aataaacagt ggaatataag gaaagcaata aatgaatggg ctgagctgcc 180
tgtaacttga gagtagatgg tttgagcctg agcagagaca tgactcagcc tgttccatga 240
aggcagagcc atggaccacg caggaagggc ctacagccca tttctccata cgcactggta 300

```

```
<210> 1215
<211> 354
<212> DNA
<213> Homo sapiens
```

```
<210> 1216
<211> 505
<212> DNA
<213> Homo sapiens
```

```
<210> 1217
<211> 458
<212> DNA
<213> Homo sapiens
```

```
<210> 1218
<211> 505
<212> DNA
<213> Homo sapiens
```

<400> 1218

```

ctgcaggaag aggtggaggg gggcctgtca ttatgtttcc cccccacccc ccaacgaaag 60
gaaaactaag actcccaaca taaacagggc cttgaggggg gggattacag gcacttgggc 120
atggagtctt cggctgcagg aagcactccg cttattcttc aggaatggga aaggcgtgac 180
ccaacgagag catctgtctc agagctccac tcaggggtcac cctctccag aggccggtat 240
ggggtggctt cagacttcca ctgcacgacc tggagcacca agaccacaca ccacaatacc 300
aaattcacc aagaagaggt ttcagcattg tgtaggttgg agtaaaactg cagagcagtt 360
ccaggggggtg tccatggaat tttctgggct tcagaacagc taattgtagt gttcaaggag 420
atgatggagt tgcagagaga cctggtgcca aatcgaagga tacaggcaga caccaagacc 480
aggaagacgg ctatagctga gatgg 505

```

<210> 1219

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1219

```

ccactgacaa aaatgacccc catttgtgtg acttcattga gacacattac ctgaatgagc 60
aggtgaaagc catcaaagaa ttgggtgacc acgtgaccaa cttgcgcaag atgggagcgc 120
ccgaatctgg cttggcgga tatctctttg acaagcacac cctgggagac agtgataatg 180
aaagctaagc ctcggtctaa tttcccccata gccgtggggg gacttccttg gtcaccaagg 240
tagtgcatgc atgttggggg ttcctttacc tttctataa gttgtaccaa aacatccact 300
taagttcttt gatttgtacc attccttcaa ataaagaaat ttggtaccca aaaaaaaaaa 360
aaa 363

```

<210> 1220

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1220

```

aaactaacat gcccacaaaca gatgagacct cccaacttga aaggatccct gcaccacaat 60
gcaatgttta agtacctgtg acaggcttct atgtcaaaaca aacaggatgc tctgggttctt 120
gtccattttc ctagcttatt acgataaaga atttctgatg attcccatgt ttgacggctg 180
tccgaactgt ccttagtagg gcaggaagtt tctgaagtga catctttgg 229

```

<210> 1221

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1221

```

ctgatatctc ctggtgctat cccaaaactg ccactcttaa ctcttgaagt aaacaaataa 60
tctttgctgg caggactatg ctaaactctc ttaggcactc cctaatcaga catcctgagt 120
catcccaatt cttagacctt ttatacctgt ttttctcctt ctgttattcc acttagtttc 180
tcaattcctc caaaaccgta tccaggccat caccaatcat tctatacgac aaatgtttct 240
tctaacatcc ccacaatatc accccttacc acaagacctc ccttcagctt aatctctccc 300
actctaggtt cccacgcgcg ccctaattcc gcttgaagca gcgctgagaa acatcgccca 360
ttctctctcc ataccacccc caaaaatttt cgccgcccc acaacttcaac actattttgt 420
tttatttttc ttattaatat aagaaggcag gaatgtcagg 460

```

<210> 1222

<211> 315

<212> DNA
 <213> Homo sapiens

<400> 1222
 ctggccgaca agactgtttt attgcagggt cgttctcttg agagcgtggt ggggcccac 60
 ttccctctcc ccacccttta gctagcccag catggttctg aacaaaatga aagtcttaag 120
 ggccatagag gggaaagaaa aaaaaagaga accagcacat tacaaagcga ccatccccac 180
 atccattcct aggacgggcc ctcagggcgg tgggtgcac gtgaggagg agcggcatgg 240
 gatgttagca ccaggtattt acagaacagc tcgagagcgc ttcaggaacg cgggcaagtc 300
 caatctgcag agtgg 315

<210> 1223
 <211> 524
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 509
 <223> n = A,T,C or G

<400> 1223
 aaaaagctgg gcatggtggc atatacctgt ggttccaggt acctggaggg ctgacgtagg 60
 aggattgect gagcccagca ggccgaagct acagtgaagt gtgattgtgc cactgcactc 120
 cagcctgggc gaggagagca agactctgtc tcaaaaataa atacataaaa tacagcgtcc 180
 aaaagtgtgt catcttcttt ctcttcacaa ttttataata agggggtaaa atgcctgtga 240
 gtctattcat tatggaaaat aaaaaagaaa caaccattta aggctgaggc attttggttt 300
 tctgctggct tttagattat taactgcatt aagccctca ctataacttc accagtatcc 360
 tagaaacaat ttgggtttcc ttttaggca gggacaggaa gtattcaaag gacagacata 420
 tggacagagt taggccttc aggggtgaag tctgtggttt cttgtgtctc aagactcaat 480
 gtcttgagaa gttggtggac cctgtcctnc atccaagaag tgct 524

<210> 1224
 <211> 488
 <212> DNA
 <213> Homo sapiens

<400> 1224
 ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
 gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
 tccgctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
 agagaaaatc agttcgtggt tgcattgtgg atgcataatc gagcgttctc aacttggtta 240
 ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
 tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
 tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
 caccgaagat tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg 480
 ctctgaag 488

<210> 1225
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 1225

ctgtgctgtg gagagaagct gatgttttgg tgtattgtca gccatcgtec tgggactcgg 60
agac 64

<210> 1226
<211> 503
<212> DNA
<213> Homo sapiens

<400> 1226
ctcagagaaa caccaactga aaagagccag gaaaaccgga gaattttcca aaaggctctc 60
acgttaaact tgtcttatct caggagagag cccgctcttg tctcccagtt cctggtaggg 120
tctgcctggt ggaaagtgtg cctggatgct tctgggctcc gtttggcaat agcaatcttg 180
gctgatgtgc acagtctggc tcccagctca cctttttttt tttaaagtaag aaaatagttg 240
ctaccgatag ggactttgcc aagtccaatt atcttctagg attgaaagggt gcattttccc 300
cataaaaaag gcgaggaaaa cccatggctg ctttgtgtca cctcagtgac ttacagtcce 360
ccttggcatt tagttggtac tagagccagt catccttaac aaatcttttc acattttatt 420
tctttcacat gtagtcatct tcaaaaagga aagatttgga attttagaaa aggggcaact 480
cttcttttta gcattctcat cag 503

<210> 1227
<211> 356
<212> DNA
<213> Homo sapiens

<400> 1227
caggaatggg ctgagagtgg tgtttgcttt ctccaccaga agggcacact ttcattcta 60
ttgggggtatc actgagctga agacaaagag aagggggaga aaacctagca gaccaccatg 120
tgctatggga agtgtgcacg atgcatcgga cattctctgg tggggctcgc cctcctgtgc 180
atcgcggtcta atattttgct ttactttccc aatggggaaa caaagtatgc ctccgaaaac 240
cacctcagcc gcttcgtgtg gttcttttct ggcacgttag gaggtggcct gctgatgtct 300
ctgccagcat ttgtcttcat tgggctggaa caggatgact gctgtggctg ctgtgg 356

<210> 1228
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 58, 60, 62, 71, 97, 113, 130
<223> n = A,T,C or G

<400> 1228
aagctttttt tttttttttt tttttttttt tttctttttt tttttttttt tttttttngn 60
ancccaaagg ncctttattt ttttttttta aaacctntta tgccatgaat tcntagggaa 120
taggttccan cagcccaggc tccttcccat tggt 154

<210> 1229
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1229
aatcaaatg ataatttatt ctaagggttt ttacaaaata cgaaaatttt acatacataa 60

```

gaagaacagt ataactgagc aacttacatt ctaattaaaa ctttgttgca aaacatgttt 120
gtgactactc ttatgctgct ttcatatagt aaagttataa gaaaaacaat catatatatg 180
cagggtttt 189

```

<210> 1230

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1230

```

aaatcctgag tcaagccaaa acaaaaaacaa aaacaaaaaac aaaacaaaaac aaaaaataaa 60
gccatgccaa tctcatcttg ttttctgcac aagtcagggtt ttgtcaagaa aggggtgtaac 120
acaactaagt cacagtccgc ctagaagcat ttgaaggatg gatgatggag ccggactcat 180
catactcctg cttgctgac cacaatctgct ggaagggtgga cagcgaggcc aggatggagc 240
cgccaatcca cacagagtgc ttgagctcag gaggagcaat gatcttgatc ttcacgtgac 300
tgggcgccag ggcggtgatc tccttctgca tcctgttggc aacgctaggg tacatggtgg 360
tgccgccaga cagcaatgtg ttggcgtaaa ggtctttgtg gatgtccaca tcacacttca 420
taatggagtt caaggtagtt tcatggatgc cacaggattc catgcccagg aaggaaagc 479

```

<210> 1231

<211> 325

<212> DNA

<213> Homo sapiens

<400> 1231

```

ctgagagtag acacttgtgg tatgtggagt acagataagc caggggacagg ccacggcacg 60
ctccatgaaa gctaggaggg agtgaaatat cagtgatcat cgcaagggaag gaggcagaca 120
agagtaaggc acacctgact cttaggacta gcagtcagaa ccaggaggaa aggttttatt 180
gctatgctgg taggtaagaa cagattttac ttacatccat atagttactt aaagtccagt 240
tttctgttaa acatttttct taatatattg agccaaaact agtccagtta agctgaactt 300
ggtttttctg gagatgaatt gtttt 325

```

<210> 1232

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1232

```

gtgacaggcc gctgcggctc tgtgctggtg cgctcatcc ctgcacccag gggcactggc 60
atcgtctccg cacctgtgcc taagaagctg ctcatgatgg ctggtatcga tgactgctac 120
acctcagccc ggggctgcac tgccaccctg ggcaacttcg ccaaggccac ctttgatgcc 180
atttctaaga cctacagcta cctgaccccc gacctctgga aggagactgt attcaccaag 240
tctccctatc aggagttcac tgaccacctc gtcaagaccc acaccagagt ctccgtgcag 300
cgactcagg ctccag 316

```

<210> 1233

<211> 516

<212> DNA

<213> Homo sapiens

<400> 1233

```

aaaaagaatg acgtttacat ataaaatgta attacttatt gtatttatgt gtatatggag 60
ttgaaggga tactgtgcat aagccattat gataaattaa gcatgaaaaa tattgctgaa 120
ctacttttgg tgcttaaagt tgcactatt cttgaattag agttgctcta caatgacaca 180

```

```

caaatccgcg taaataaaatt ataaacaagg gtcaattcaa atttgaagta atgttttagt 240
aaggagagat tagaagacaa caggcatagc aaatgacata agctaccgat taactaatcg 300
gaacatgtaa aacagttaca aaaataaacg aactctcctc ttgtcctaca atgaaagccc 360
tcatgtgcag tagagatgca gtttcatcaa agaacaaaca tccttgcaaa tgggtgtgac 420
gcggttccag atgtggattt ggcaaacct catttaagta aaaggtttagc agagcaaagt 480
gcggtgcttt agctgctgct tgtgccgttg tggcgt 516

```

<210> 1234

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1234

```

gctgtctagt tttgtttttg ttttgagatg gagtttcaact cttgttgccc aggetggagt 60
gcaatggtac aatctcagct cactacaacc tccgccttcc aggttcaagc aattctccta 120
cctcagcctc ccaagtagct gggattacag gcatgcacca ccatgcctgg ctaatatattt 180
tttgtatttt tagtagagat ggggtttcac catgttgg 218

```

<210> 1235

<211> 458

<212> DNA

<213> Homo sapiens

<400> 1235

```

gtgggtgtca ttgtgtgtct gtgtgtggtt gtgtaactgt catcgtgtgg ctgcatgact 60
gggatttgtg ggtttcggga ggtccgcggg tgtgcgtgtg ctgtgcgttt gtgtgttgtg 120
tgctcgtgtg ttgtcgtgtg tcgcgtgtgt gtgctgtgtg tgcatgtgtg tgctgtgtct 180
ttgtgtgtgt gctgtgtgct agtgtgctgt gtgtgcatgt gtgtgcgtgt gctgtgcgtt 240
tgtgtgctgt gtgctcgtgt gtgtgctgtg tgtgcgtgtg tgctgtgcgt ttgtgtgtgc 300
tgtgcgtttg cgtgtgtgct gtgtgtgcat gtgtgtgcgt gtgtgtgcog tgcgttttgt 360
tgctgtgtgt gcatgtgtgt gcgtgtgtgt gctgtgcgtt tgtgtgtgtg ctgtgtgctc 420
atctgtgtgc tgtgtgtgct gtgcgtttgt gtgtgtag 458

```

<210> 1236

<211> 347

<212> DNA

<213> Homo sapiens

<400> 1236

```

aaaagctggt gaatgccttc cacctcggac cacagccagg ctcccttgaca agcttggttg 60
ggagttcctg gaagtgactt gcatcaatcc tacattcatc tgtgatcacc cacagataat 120
gagccctttg gctaaatggc accgctctaa agagggctctg actgagcgtt ttgagctggt 180
tgtcatgaag aaagagatat gcaatgcgta tactgagctg aatgatccca tgcggcagcg 240
gcagcttttt gaagaacagg ccaaggccaa ggctgcagggt gatgatgagg ccatgttcat 300
agatgaaaac ttctgtactg ccctggaata tgggctgccc cccacag 347

```

<210> 1237

<211> 176

<212> DNA

<213> Homo sapiens

<400> 1237

```

ctgaggtgga gactcgcaag gtgggtgctga tgcagtgcaa cattgagtcg gtggaggagg 60
gagtcaaaca ccacctgaca cttctgctga agttggagga caaactgaac cggcacctga 120

```

gctgtgacct gatgccaaat gagaatatcc ccgagttggc ggctgagctg gtgcag 176

<210> 1238

<211> 455

<212> DNA

<213> Homo sapiens

<400> 1238

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aagaacctgg attctgggca ctgtgtcccg gagccagct cctcaggcca ggcctgtat 60
cctgaggttt tctatggcag tgctgggcct tccagttctc agatctctgg gggagccatg 120
gactctcaat tacatccaaa cagtggaggc ttccgccctg ggacaccctc actgcaccct 180
tacagatcac agcccctata cctacccccg ggcccagccc ctccctcagc actgctctct 240
ggggtagctc tcaagggcca gtttctggat ttctccacaa tgcaagctac agagctgggg 300
aagttgccgg ctggaggagt tctctaccct ccaccttctt tctctactc tccggctttc 360
tgccccagtc ctttgccctga cacatcgttg cttcaggtag gccaggatct gccatccctc 420
tcggattttt attctactcc tctgcagcct ggtgg 455
```

<210> 1239

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1239

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ccttttctct ggctttcttc ctttgccctg cagtagcaac tgggtgctggg acaagttgac 60
ccacctctca cagtcattgg tggtggccac ttgtgggagt ctctgccc cctcccagag 120
acggccaccc agcgggtctg gcttcccaga aagttaactg atgattgtgg ggtttgtcat 180
atctgggagg gaagatgggt gctgggagag ggttgggggc agggggcaag gaaaattgct 240
acctgatttg ttgaagattt ttctcttgc cttacacatg gaggttccag gaaacctctt 300
gcagaacttc acacgtgatt cttcaagcca caccacctg aaatcaaacc aaaggagtgc 360
tgtggctccc cttgccctgc caccctttcc ctagtctttt gtagattgca ctaatttaca 420
tcctagcaag aatcaacact gtatcagtc acggacctgc tgagctgcag ccacttgctc 480
taggagctaa ggacttgcat tttca 505
```

<210> 1240

<211> 528

<212> DNA

<213> Homo sapiens

<400> 1240

```
ctgccggcat ggggtgagtgg gaccagggc tattaccgg ccagaggggt tgggggcctc 60
tctcctggaa gcctgctctt tccacacccc ctttcccagc caggtgtctt tggacactct 120
cggggctccg ctgaggggca catgattccc gctttggact tcttttgaga tgtcatttta 180
acactgaggc atcctggcct cccttcccgg aagatgggtt atttgagtg ctgtcttttc 240
ttttagctcc ggtttttgta caaaaacaat gatactcccc attggaactg atttttgcc 300
aagaaacaaa agtgctcaa caggtacagt tctgctggtc aatctgtctc cggcagggct 360
ccatgggtgac agccacgccc acccactcc ggccgatgt cattcgggtc acctcgctcc 420
aggtgtctgt atctgggtcg taacactcca cactgtccag gaacgtgtga ccatcatagc 480
ctccaaggac gtagattctc ccctggtgga cagtgatccc cagggcac 528
```

<210> 1241

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1241
 ctgctcccag gatggctcgtg tgttcatttg gacctgtggt gatgcctcaa gcaatacgtg 60
 gtcccctaaa ttgttgacaca agttcaacga tgtggtgtgg catgtgagct ggtccatcac 120
 agccaacatc ctggctgtct ctgggtggaga caataagggtg accctgtgga aggagtcagt 180
 tgatgggagc tgggtgtgca tcagtgtatgt caacaagggc cagggctccg tatcagcatc 240
 agtgacagag ggccagcaga acgagcagtg acaagacagg tggggcctgg ctccccaccc 300
 gccagctcca ggactgcccc ttcttggggc aactaaccag acaactggga agagccccc 360
 actccaacag gattattttc ccaggaggag ttacagatgc agccacagat tgatcatctg 420
 ccttaacgtg atcggagatg ctttctaatac tactgtccag 460

<210> 1242

<211> 176

<212> DNA

<213> Homo sapiens

<400> 1242
 ctgcaccagc tcagccgcca actcggggat attctcattt ggcatcaggt cacagctcag 60
 gtgccggttc agtttgtcct ccaacttcag cagaagtgtc aggtgggtgtt tgactccctc 120
 ctccaccgac tcaatgttgc actgcatcag caccaccttg cgagtctcca cctcag 176

<210> 1243

<211> 380

<212> DNA

<213> Homo sapiens

<400> 1243
 cctgcggcac caccocatag agctgggtgag gaagtaactt ctgctttctca ttgcaactgt 60
 agatccatcg gggacgaacg aatgccaggg aggggttgtc catcagggcc tctcaaagc 120
 tgggatccca ttcccggtgt gtgatcacia actgaacccg gtcaactcata tagtcctcga 180
 gctccccatt gaaggctgtg gcgtatcgga tgagtttccg ccgctcgtcc ccagggaact 240
 ccccgtaaag aaagaagtgc ttgccctgga agaaatctgg gagctcaggg actggcagat 300
 caggaggctc ctggtgttcc tcaactgtcc tgtttctcat cgtggagcct gcatacgggt 360
 ctccccatt ctctcctgtg 380

<210> 1244

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 502

<223> n = A,T,C or G

<400> 1244
 aaaaaataat tgagagttgt gacaacttcg attcttttca ggaggtgctg tottaagata 60
 gaagaaaggg atcaagctct tatcttagaa agcacagaca cgttttagctc agggtagtgc 120
 aattcaatgc taagtggctg ctccatgaaa tctaaggggc gggtaagggg aagaggccca 180
 gggacttctt ccttgtctga cactctcggg actagcattc tggcaggtct tacaagttat 240
 aatacaaaac catcagataa attctaatac cgactgtgta gttcctcccc aaaataattt 300
 tctcttaga agtaaaatca ggaaagggc tgagtctctga aaagaaacat cggggctgtg 360
 gcccaggccc tctgagtgtg gacgtgtcc cccgtgtctc catgtttact gccttatcgt 420
 ctcttttgta tgaaagtata atttacgtaa ttcgctccttg gagaatcaca gtggtgttca 480
 agaacctttt gaggccatcc angtttttgt ccttcagtac cttgaaatca ga 532

<210> 1245
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 1245
 aaagcctgac agaacagaag gcagttttatc tcagcagtgga agggatggca gtaatgggat 60
 ggcagtcagg gtggaccagc agaatgggtg aagagatgta ttggattggc tgacttgcta 120
 atcggagcta ttcttttttt tccccttttg aaatcagggtg gagatgttac agccaaaaat 180
 atctggttgg cagaaagtgt tctggatatc ctgacagagc aaagggagtg ggtcctgaag 240
 agcggcatcc tcattgccat ggctgtttac acgtacctcc gcctcatcgt ggaccaccat 300
 gggactgccc agctccaggc cctgcgacag aaggaagtag acttctgcat ctcactgctt 360
 cgggaacggt tcatggaatg tctgatgatt ggtcgggatc tcgtaagact acttcagaat 420
 gttgctagga taccagaatt tgaactgctt tggaaagata ttatccataa tcttcagg 478

<210> 1246
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1246
 ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagt 60
 cattttgagc aatgggggaac gctcacggac tgtgtggtta tgagagatcc aaacaccaag 120
 cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
 aatgcaaggc cacacaagggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
 gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
 aaagaagaca ctgaagaaca tcacctaaaga gattattttg aacagtatgg aaaaattgaa 360
 gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
 tttgacgacc atgactccgt ggataagatt gtcattcaga aataccatac tgtgaatgg 479

<210> 1247
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 1247
 aagcagcgag tcttgaagct ctgtttggtg ctttggatcc atttccgtcg gtccttacag 60
 ccgctcgtca gactccagca gccaaagtgg tgaagcagat cgagagcaag actgcttttc 120
 aggaagcctt ggacgctgca ggtgataaac ttgtagtagt tgactttctca gccacgtggt 180
 gtgggccttg caaaatgatc aagcctttct ttcattccct ctctgaaaag tattccaacg 240
 tgatattcct tgaagtagat gtggatgact gtcaggatgt tgcttcagag tgtgaagtca 300
 aatgcatgcc aacattccag ttttttaaga agggacaaaa ggtgggtgaa ttttctggag 360
 ccaataagga aaagcttgaa gccaccatta atgaattagt ctaatcatgt tttctgaaaa 420
 cataaccagc cattggctat ttaaaacttg taattttttt aatttacaaa aatataaaat 480
 atgaagacat aaaccagtt gccatctgcg tgacaataaa acattaatgc taacactttt 540

<210> 1248
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 44, 95, 113, 138, 148, 151, 163, 197, 209, 239, 294, 313,
 388, 418, 425, 472
 <223> n = A,T,C or G

<400> 1248
 gtacaagctt tttttttttt tttttttttt tttttttgct ttgnatagtt tattatacaa 60
 atgattgata gtaaaatagt gaatttttaa gcttnttcct aacctttcat tgngaatagaa 120
 cagtgatgca gggagaana acattcanaa naaaaaatcat gtntgtatta ttaaactaga 180
 agtgataaaa tgttcanaat gacaatgtnt ttaaaaaata ataaccttgt tggaattgna 240
 catctatcat tatcacaaca tgcttatttg atgaagctaa agaaaagcca gaanactaat 300
 atggctggat ganaatagca ttttaaaaca ttttcagcaa aattctaaaa atttgctgtt 360
 tagttccaaa actgaatttc atacaagngc tattattcca atagtttttt tcaattgnca 420
 ctagngatct tgatccatat actgcaatca taatatccaa aataaaagag tntttcatta 480
 ataaca 486

<210> 1249
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 1249
 cctagctcca accaagagtg tgctccagat gtgtttgggc cctacctggc acagagtcct 60
 gctcctggga aaggaaagga ccacagcaaa caccattcct tttgccgtac ttccatagaag 120
 cactggaaga ggactgggtg tgggtggagg tgagaggggt cgttttcctg ctccagctcc 180
 agaccttgct tgcagaaaac atctgcagtg cagcaaatcc atgtccagcc aggcaaccag 240

<210> 1250
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 1250
 ccagtgaaga ggattcagag aaaataatac aaccatcaat cagaaaaagg aggggcgaca 60
 aaggaaaata attaggctgt agcctcaatt gtgcattccc gtgcaagggt ccctgactcg 120
 ccacagcggg aacagttgac ttactttgtc ttgctgcagt tgatggctac atgaccagtt 180
 tcaaccacacc tatagcactt cactttgggt cagtcttttt gaatgtgtcc gaattctcca 240
 caagaatagc atttctgctc atctgcatgg tcgcagtcac gagccagatg gcctgggttg 300
 ccacagttgt agcagcattg ctctcgctct ctcttgggct ccttgcagtc cttggcaatg 360
 tgg 363

<210> 1251
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1251
 ctgcagtcgc ctagaaaact tgctcttaaa cttcagggtt ttttcttctc tcaaattttg 60
 gaccaaagtc tcattttctgt gttttgcctg cctctgatgc tgggaccccg aaggcggggc 120
 ctctgtctct tgtgctcttt ctaccgcccc cgctcctgt cccgggggct ctccataggat 180
 cccctttccg taaaagcgtg taacaagggt gtaaatattt ataattttt atacctgttg 240
 tgagaccoga ggggcggcgg cgcggttttt tatggtgaca caaatgtata ttttgctaac 300
 agcaattcca ggctcagtat tgtgaccgcg gagccacagg ggacccacg cacattccgt 360

```

tgcccttaccg gatggcttgt gacgcggaga gaaccgatta aaaccgtttg agaaaactcct 420
cccttgtcta gccctgtgtt cgctgtggac gctgtagagg caggttgg 468

```

```

<210> 1252
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<400> 1252
ccaggctggg ctcaaaactcc tgacctcaag tgatccaccc acctcggcct cccaaagtgc 60
tgaggattaca ggctgagcc actgcgcctg gctgagtaca atattaatgt agacaaacca 120
tgaagtttat tatttcatat aagaacatta caggtttgtt ttttcttgca tgtctgtcca 180
cctaattgttt aagtagttct ggtagctctt cctattcttt attctatttg attccatttc 240
tgtgattctt ttattaccac tgatgttttg tgatagttaa ctatgataaa ttttaactgat 300
catgatttat cttctagagt attt 324

```

```

<210> 1253
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 57, 64, 115, 163, 170, 221, 241, 255, 294, 317, 319, 327,
333, 335, 353
<223> n = A,T,C or G

```

```

<400> 1253
caagcttttt tttttttttt tttttttttt ttttttacia ataaatgggg ttattanacc 60
caanagcagg gtcagaagga gaaacagcaa aaacggggag taagtgccca ggctnctgcc 120
ccaaaccctt tgaggaaaag agaaacaggt gttgggcagg aanaacagcn ccaacaggga 180
ggagagggag gggattgggt cccggctcta ccacggacca ntcactttcc ccaggactca 240
nttttgtcac ctgtntaatg ggggaagcac aatccttgcc tgactccttc caanagcctc 300
aattaggctt cgggtanana gtgggtnttg aananccttg caaactgtaa agngcagtag 360
acacatgcag gctagctgtg gccctggggc ccaggcccaa 400

```

```

<210> 1254
<211> 530
<212> DNA
<213> Homo sapiens

```

```

<400> 1254
ctgtaatcct caggatcact ttgcagtcct caagattcag atacagagga agcttcaatt 60
caacctttca gagaagacat tccagctcgc atgatctcat caaccaagag aatgttgggt 120
gcaatcacag tgcaggagtg aagaagctgt ttctttacac aatagttatc ccatacgcct 180
acttctgctg ccaccattgg ctacacctgtg ttcagggtcca caccacaag ctgacctgat 240
tctgaatgtt ctgcttgaat tttaactaat gtttcttgaa ggtcaaaacc agagttctga 300
gcaagaacct tgggaataat gagcaatgca tcagcaaagt cttggactcc aagctgtgcc 360
ctgcccttta cactgggctt atgtttaatc agggcttctg ccattgccac ttccacggca 420
ccagcacctg gaaccacaca gccatcatca atagcatttt tgacagccct caagccgtcc 480
ctcactgcat ctttgatctg agtgagtgtg tgcttatttg gtcctttgat 530

```

```

<210> 1255
<211> 314

```


<212> DNA
<213> Homo sapiens

<400> 1255
 aaaaagttaa ctgtggcacc aattctaata taatccaact tgtgactgtt tttttttgtt 60
 ttgtttttgtt tttgtgtgtg tgtgtgtgtg gcaactgggaa aagtggaaac aaacatgtat 120
 tgaaatacat attggaaata aaaatggttt gagcgtcagt gatattctcc cagaatgtac 180
 ttatcttacc tcggcatgta ctgtagtcac tcagtatttg tataatgttg tagaatttag 240
 attgcaaaat agtgaaattt taatgtgttc atttggtttt aatgtatata tgtcttgctc 300
 agattatttg gttt 314

<210> 1256
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 1256
 ctgagcgggg acaacaaaga gttcttctct gggaaaagtt ttgtctcaga gcaaggatgg 60
 aaaatgggga caacaaagga aaagcaaagt gtgacccttg ggtttggaca gccagaggc 120
 ccagctcccc agtataagcc atacaggcca gggaccacaca ggagagtggg ttagagcaca 180
 agtctggcct cactgagtgg acaagagctg atgggcctca tcagggtgac attcacccca 240
 gggcagcctg accactcttg gccctcagg cattatccca tttggaatgt gaatgtggtg 300
 gcaaagtggg cagaggacc cactgggaa ctttttccc tcagttagtg gggagactag 360
 cacctaggta cccacatggg tatttatatc tgaaccagac agacgcttga atcaggcact 420
 atgttaagaa atatatttat ttgctaatat atttatccac aaaaaaaaaa aaaaaccatg 480
 gctagggtta tagatagttg ggtggttgggt gt 512

<210> 1257
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 1257
 ctggccctcc agggccccgc ccccatcccg tccacgttgc tgtgtcgtga 50

<210> 1258
 <211> 149
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 121
 <223> n = A,T,C or G

<400> 1258
 attgtagggc tcgaccacgg tgcagacac tttgggtgaa ggcaccacac tgaaggtatt 60
 catgatgcga tcagggtatt cttctcggat cctgctgata aggagagtgc ccattccaga 120
 ncctgtgccc cgcccagtga gtgggtcag 149

<210> 1259
 <211> 556
 <212> DNA
 <213> Homo sapiens


```

cccagatcgc accactgcac tccagtcttg caacagagca agactccato tcaaaaagaa 120
aagaaaagaa gactctgacc tgtactcttg aatacaagtt tctgatacca ctgcactgtc 180
tgagaatttc caaaacttta atgaactaac tgacagcttc atgaaactgt ccaccaagat 240
caagcagaga aaataattaa tttcatggga ctaaatagaac taatgaggat aatattttca 300
taatttttta tttgaaattt tgctgattct tt 332

```

<210> 1263

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1263

```

cctgacagac agaagggtt ggagattttt tttctttaca attcagtctt cagcaacttg 60
agagctttct tcatgttgct aagcaacaga gctgtatctg caggttcgtg agcatagaga 120
cgatttgaat atcttcagct gatatcggct ctaactgtca gagatgggtc aacaaacata 180
atcctgggga catactgg 198

```

<210> 1264

<211> 531

<212> DNA

<213> Homo sapiens

<400> 1264

```

ctgtagcacc accatcctac tcatcttcca catccccaat catgcctcat cattgtttaa 60
aggactcaga aatcacaaagt gagaaaaatg aaacaaaagc agccatcca tagcttcagg 120
gtgagccttc acaggaccag atggataaag cagcagcact agtggagggtc tgcaccttcc 180
tgctttttta cctatttagc ttctaaaatt tttcaaacct gattttaagc aagggtctgc 240
tctgttgccc aggctggagt acagtgtgct actgcaacct ccgcctcca ggctcaagcc 300
atcctcccat ctcagcctcc caagtagctg gcactacagg tgcgccacca caccagcta 360
atttttgtat tttttgtaga gacggggtt cgccatgttg cccaggctga tggctcctaaa 420
actcctgagc tcaagcgatt ctcccgcctc ggccctccaa agtgcctggga ttacaggcgt 480
gagccaccgc gcccggcctg tacctttctt ctgaatcttc ttcttctttt t 531

```

<210> 1265

<211> 560

<212> DNA

<213> Homo sapiens

<400> 1265

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aaaagactgg atggatataa aatagaatca actgtagtgt taggctgatac atgggaaatc 60
aaagtaagtt tgttttctct tgctgttcca acaattatag gaaactatgg tccaggaggc 120
agtggaggaa gtgggggtta tgggtggagg agccgatact gagcttcttc ctatttgcca 180
tgggtaagta gcttttgagt tttacaatta ttattatctt gggagacata gctgcaggag 240
taaaagcttt ttaggatcat gttatcttct cttaaaaatct ggtagatgg ataatttcat 300
aacctatttt ttttttactc tttacttctg ttgaaacagg cttcactgta taaataggag 360
aggatgagag cccagaggta acagaacagc ttcagggttat cgaaataaca atgttaagga 420
aactcttata tcagtcatgc ataaatatgc agtgatatgg cagaagacac cagagcagat 480
gcagagagcc attttgtaga tggattggat tatttaataa cattacctta ctgtggagga 540
aggattgtaa aaaaaaatgc 560

```

<210> 1266

<211> 616

<212> DNA

<213> Homo sapiens

<400> 1266
 ctgctggctg gctgggcccc cgtagctgga ctggtttgac aagcccatgc ctcccatcat 60
 ttggctacca taagcaccac cgcttgctcc tgctgtagaa ttcaagaaga gttctacata 120
 tctgtgttct gaaatgagag aaaaggcata caaaaggtta gcttaaaaaa aagacactaa 180
 agtgatatatt acacaaaacc atgcctccca gcatttggct accgtaagca ccaccgcttg 240
 ctctgctgtg agaattcaag aagagttcta catatctgtg ttgcataatt gctttgtctt 300
 ttgacatagc tgccacagca tcttcatgag ttgcgaactc gacatctgct tcaccagtta 360
 ctctgccatc aggaccaatt tcaatgtgta ctctcacagg gttgagcggg gaaaaaaaaat 420
 tataaatgtc attctcagta gctctgtaag gtaatccccg catgtgtaca cagtgtcctg 480
 ttgtgctctg gaaagtagag ccaccatccc cgatatctgtg atcagacatt cctgaaaaac 540
 agtaattgag gtctcttcca aatctatctg acccaaatcc atagccatca ttatagccat 600
 tgtaatcatc atagcc 616

<210> 1267
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 1267
 ccaaggccag tgcttatctc tcaaaaacaac tagacggggg ttccaaaggc tggcccccat 60
 ggctaagggc cctggcagca actgccctgt tagcacaaga agcagatgag ctaactctta 120
 ggcaaaacct aaacagaaag tctccccatg ctgtggtgac tttagtaaata accaaaggac 180
 atcattagct aataaatgct agactaacta gataccaaac ctgctctgtg gaaaatcccc 240
 gcataaccat tgaagtttcc aacaccctaa ccagccacc ttactcctgg taacagagag 300
 ccaggttaaa cataactgtt tagagggtgt ggactcagtt tattctagta gg 352

<210> 1268
 <211> 73
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 53
 <223> n = A,T,C or G

<400> 1268
 gtgtgtgtgt gtgtgtctgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc gtntgtgtgc 60
 tgtgtgctcg tgt 73

<210> 1269
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 500
 <223> n = A,T,C or G

<400> 1269
 aaattttaga aaacctgtat aaattactgg tgcataactt aaagattatt ctgcctttgg 60
 ctaattgagt aattcccctc cagcactaga gaccgctcag tgctcttact agatgaactc 120

<212> DNA
<213> Homo sapiens

<400> 1273

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ccatcaagct gctggagtat gagccacgct caggggagca ggtacccctt ctcctaaaga 60
tgaagaggag caaactggca ctaagcaagg ccacgcagag cggggacact gacctggtgt 120
tcacggtgtt gctgcacctg aagaacgagc tgaaccgagg agattttttc atgacccttc 180
ggaatcagcc catggccctc agcttgtacc gacagttctg taagcatcag gagctagaga 240
cgctgaagga cctttacaat caggatgaca atcaccagga attgggcagc ttccacatcc 300
gagccagcta tgctgcagaa gagcgtattg aggggagagt agcagctctg cagacagccg 360
ccgatgcctt ctacaaggcc aagaatgagt ttgcagccaa ggctacagag gatcaaatgc 420
ggctcctacg gctgcagcgg cgcttagaag acgagctggg gggccagttc ctagacctgt 480
ctctacatga cacagttacc accctcattc ttggcgggtca caacaagcgt gcagagcag 539
```

<210> 1274

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1274

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cctatctggt tggccttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60
caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120
ccactatgat gggaaacatt tcattctcaa aaaaaaaaaa aatttctctt cttcctgtta 180
ttggtagttc tgaacgttag atattttttt tccatggggt caaaagggtac ctaagtatat 240
gattgcgagt ggaaaaatag gggacagaaa tcaggtattg gcagtttttc cattttcatt 300
tgtgtgtgaa tttttaatat aaatgcggag acgtaaagca ttaatgcaag ttaaaatgtt 360
tcagtgaaca agtttcagcg gttcaacttt ataataatta taaataaacc tgttaaattt 420
ttctggacaa tgccagcatt tggatttttt t 451
```

<210> 1275

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1275

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aaaaaactgg tttgtcaaat cacatacatg agcagataca caactaccaa agtggcctgt 60
aatagacacc agtggggcgg tcaccacaca gtacctgaaa aatacagcta aaaaaggagg 120
agtctgttga gtatttaatt tcagatctac ttgaactcct gttgaatggc tttaagttag 180
catatagtga gtgagaggta gagtcccaag tataatagct gatgcctcag ggctccattt 240
```

<210> 1276

<211> 397

<212> DNA

<213> Homo sapiens

<400> 1276

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cctgatgcct cgatacagct agatgtacaa aaatatatca ttcaaagtca tgaaaacccat 60
catcatattg gtgtgacctc cttcctcccc ttgggcacag cttttgcaac tacctccttt 120
gaaatctggg agttgggtgg gcaagggtca cttcttggca gcttcttctt gggcagccaa 180
atctgcctcc ttctgagcag ccaggaagat ggctcggtcc ttctggaaag ctgcaagctc 240
ttctgaactg aggtccttca ccacgcgaat gccagagaaa cgggcagacc cgatgatgga 300
gcggacaaca gacgacagg gtacatcctg cagggcaaat gcctcatcct gagctttgat 360
gcgggcaatc tcatacacat gttcaaggt caccagg 397
```

<210> 1277
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 1277
 cctgaatatt ttgcttaaca gactgttggg gatttcatta tatgcagagc agcctgcaaa 60
 aggagaggtg tgaagcgaag atgtccgaaa actggctgtt gttcatgaat ctgaaggatt 120
 gttggggtac atttactgtg atttttttca gcgagcagac aaaccacatc aggattgcca 180
 ttctactatc cgtggaggca gactaaagga agatggagac tatcaactcc cagttgtagt 240
 tcttatgctg aatcttcccc gttcctcaag gagttctcca actttgctaa ctcttgccat 300
 gatggaaaat cttttccatg aaatgggaca tgccatgcat tcaatgctag gacgtactcg 360
 ttaccaacac g 371

<210> 1278
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 1278
 ccagaatggg ctggatctcc tgacctcgtg atctgcccgc ctgggcctcc caaagtgctg 60
 ggattaccgg tgtgagccac cgca 84

<210> 1279
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 1279
 ctgaaggagc cggggagcag aaagtatatg tgtcagggtat gaggaagaaa atagattttg 60
 gaagttatga gaaatgtaga gagtgagttg agcatagttt gtgattttta gggcctctaa 120
 cagtaccaa gcagcggcag ccgctgcacg cagacatgag ggctaggcta aaacagtaag 180
 gtcaagttgt ttggacagaa aggctacagg gtgcggtcct ggctcttggt taagaatttt 240
 gaccgcacta accatgccta ggaaggaaa gagttgttgt tttgtagaag gtgctgggg 300
 ttgagagatc agttggccac gattggcagg gagagcacgt gtgtttttat gagaattatg 360
 ccaagatagg taacagatg 379

<210> 1280
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28, 52, 197, 239, 328, 416
 <223> n = A,T,C or G

<400> 1280
 tttttttttt tttttttttt tttgaaanac aggctatttt atttcaaaaa anaaaaaaaa 60
 gtgggctctg ggaacagggt tagtccattc gggccttcag tgtcctgggt gtgattttgt 120
 ctttctcgat gatgtggaca atgactccca tgccatgacac tgcattcccg tccacagcat 180
 tcagcatggc ttggganatg gtttcaaaca ggtgatccgg atccatgttg ggctcccana 240
 gggactcaca cattccgtac atttgttcgg cgcagggtgcc actgaccaca aagtcattcg 300

tcaccatggg gcagccgatg aggtctanag agcaaataag gggcttaaag gtcttcgggt 360
 ccaaccggc aatgactggc tcagtgtagt aaggggccaaa cggtttctca tacaanaggt 420
 tgg 423

<210> 1281

<211> 162

<212> DNA

<213> Homo sapiens

<400> 1281

ctgaaatttg tccttacagt cgagtcact gtagccaaat gcacactttt ggcagttccc 60
 attagcatct tctgtgtagc cgggcacgca cgcacactca gggggccccc cactcttctt 120
 tattaagcat tgcttgtgct gtgcgttgca ggcacagga ca 162

<210> 1282

<211> 206

<212> DNA

<213> Homo sapiens

<400> 1282

aaaacagaag cttatatata acttagaatc taaaaccaat agatttatgg taaaccttaa 60
 gactgaacca aaacaaacaa aaaccaaagt tttaatcatt taaaaatcat gtttattgag 120
 gtacaactta tagtaaaacc tgcccttttc agcgtatagc actgagtctt gacaaatgca 180
 cagttatgta ccaccaccga ccaagg 206

<210> 1283

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1283

ctgcggttaa tccagcttgg gcctgtctgc actgcgatcc tcttgggctc tcttaggata 60
 ccccatgcc ccgtaagagg tggaagacgc ttcttccag gacagcaggc tttgagtcca 120
 gcacccagc ctgcc 135

<210> 1284

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1284

aaaggatcac atgcgtgaag caggtgatgt atgttatgct gatgtttacc gagatggcac 60
 tgggtgtcgtg gagtttgtac ggaaagaaga tatgacctat gcagttcgaa aactggataa 120
 cactaagttt agatctaata agggagaaac tgccatcatc cgggttaaag ttgatgggcc 180
 cagaagtcca agttatggaa gatctcgatc tcgaagccgt agtcgtagca gaagccgtag 240
 cagaagcaac agcaggagtc gcagttactc cccaaggaga agcagaggat caccacgcta 300
 ttctccccgt catagcagat ctgcgtctcg tacataagat gattgggtgac actttttgta 360
 gaacccatgt tgtatacagt ttctctttat tcagtacaat cttttcattt ttttaattcaa 420
 actgttttgt tc 432

<210> 1285

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1285
 ctggtccttg cctgggagaa ctttgtggaa ggaaaaggta agattcctta agtccaagga 60
 gagaaccaat ccagggtcaa atttcttttc attccctgga tcacaacaca ccagggaaga 120
 gaggagtcaa gaatgtctct ccctgccagt gct 153

<210> 1286

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1286
 cctgggcccc ggtcacgtcg ccaaccatct tcctgtccct agacttcacg gagtaggcga 60
 atgctatgaa gccagacag caccagttca agaagagggt gttgaacagg gaccagacga 120
 catggctggg cacggaggtc tcgctgtgga tgttgatcac ggtggacctt ggaaggatgg 180
 tgctgggg 188

<210> 1287

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1287
 aaaacaagca aattttatta aaggaaaatt ttgcaggttt aaggtttgca ggtgaaattt 60
 tgtaggtgaa aaggtttact ttccaccagt ctgttctggc atgcttctaa tgatgtcaga 120
 gtcacctgga tcaatgatag ccagtgtgca cactctgtag tattttcogc atgctgtgcc 180
 cagttcaata ttattgccac tgtagtgatg gacaccagtt ttagccaaca tagcatagta 240
 ctctatttca gatttcttca aagctgggca gttgttagcg agaatgacca atttcgcttt 300
 gccttgctctg atcatcttca gagtctgctt gtaccccagg acgtacttcc cacttttcat 360
 aacgagttgg agcctagagt tgatcgactc cagcgacttt ttctgtttct ttgcggccac 420
 catcttctctg ccttagga 438

<210> 1288

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1288
 ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
 cgagctgccg gcagaagctt ctcccaggtc ctcttgagat ttatgatata gatgccatca 120
 cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaaagtgg 180
 gttcctgctg caaggaactt aaggacatcc tcctccttca tttgcaggac atcaagggtct 240
 coggacattg tgaaaatttc cctttaagtt acgacgggaa tccagaacaa cgccgtatgg 300
 acccctctgc ag 312

<210> 1289

<211> 232

<212> DNA

<213> Homo sapiens

<400> 1289
 ccacaaaaca ccaaagaatt gtaggcagtg gccctattg agaagttttc cggtagagtt 60
 ggaaatcagt tgtgaataca ttctttgcta gttggagtgc ttgtttacta agcatgtgcc 120
 gtctgtaggta ttagtgtctag tctcaaatag gtgcttcccc tgaggtgcag gggaagacca 180

aagtttgcaa ctcgaactgc tttcgtccat gtttctcaca ttgctgtatt tt 232

<210> 1290

<211> 93

<212> DNA

<213> Homo sapiens

<400> 1290

ctggcagggc atcatgtcag gccaccaaat ccatccagaa ctaacatgca gtctctaatt 60
 tggagactct ttattgtgac caaaagattt gga 93

<210> 1291

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 472

<223> n = A,T,C or G

<400> 1291

cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggogatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcctt tggttaaggg tgatatcatg gggatgttag aagaaacatt tgtcgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tgggaagatac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtccctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagtttgg ggatagcacc aggagatatc an 472

<210> 1292

<211> 69

<212> DNA

<213> Homo sapiens

<400> 1292

ccagacctga ggcccacaga cctgggtcccc acaaccagga ttccctacaat gtacacattc 60
 ctaattcag 69

<210> 1293

<211> 332

<212> DNA

<213> Homo sapiens

<400> 1293

gggaaactcc gaggacagag ggctaaatcc atgaagtttg tggatggcct gatgatccac 60
 agcggagacc ctgttaacta ctacgttgac actgctgtgc gccacgtgtt gtcagacag 120
 ggtgtgctgg gcatcaaggt gaagatcatg ctgccctggg acccaactgg taagattggc 180
 cctaagaagc ccctgcctga ccacgtgagc attgtggaac ccaaagatga gatactgccc 240
 accaccccca tctcagaaca gaagggtggg aagccagagc cgctgccat gccccagcca 300
 gtccccacag cataacaggg tctccttggc ag 332

<210> 1294

<211> 207
 <212> DNA
 <213> Homo sapiens

<400> 1294
 cagattgtgt acatagagca atgttggttt ttataaaagt ctaagcaaga tgttttgtat 60
 aaaatctgaa ttttgcaatg tatttagcta cagcttggtt aacggcagtg tcattcccct 120
 ttgcactgta atgaggaaaa aatggtataa aaggttgcca aattgctgca tatttgtgcc 180
 gtaattatgt accatgaata tttatatt 207

<210> 1295
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 1295
 ccaccacttg tacccgatat ggacttcagg cttctctgtc caatggagcc aactaaaga 60
 tctcaccagt cacgtggtca attttaagcc aacctcttgt gtctcccctc agtgaatagc 120
 ttatgtccag accttctgga tccttggcag tcacattgcc cacttttagtg cctatagcta 180
 catcctcact gactttcgct tggaaatcgt gttgggaaaa ttgaggtgct tcattcacat 240
 ctgtcacaaat aagcgtgaac ttggcaaaaag aacttgcatt gtacttcaca ccaaacacta 300
 gaggctcagg attttctgct ttgaacacaa tgttggaaac ag 342

<210> 1296
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 1296
 ccaatgtggt tggctcttcag cttgcagtta gccaggttcc ataccttgac cagcttgtcc 60
 cagccacagg agacgatgat agg 83

<210> 1297
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 1297
 gacaagcaca ccctgagcaa gaaggagctg aaggagctga tccagaagga gctcaccatt 60
 ggctcgaagc tgcaggatgc tgaaattgca aggctgatgg aagacttgga ccggaacaag 120
 gaccaggagg tgaacttcca ggagtat 147

<210> 1298
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 1298
 ctggtctaaa agagtatctg tgcattcctc acagagtggg tgatccacat ctgtctggcc 60
 cgacatgatg tcaaaaaggc cccagtgac ctggaagtgt gggagagtca gggtagggcc 120
 tcccccatgc ttcttgetca attaccact ctcccagcca ggctactgc ttgccaccgg 180
 aatggggccg gcttgccctc agtcttcggc tgagggttctc catggtgccg ccatcagatg 240
 cctccccaat cagagtgaag ctgttggcac tttctgtgga catcatcctg cagacagccc 300
 cccgccacg ggccacatga gggaacagag aggcttcctc cacctactac aatgccagt 360

gcagagactc tcaagcacca g

381

<210> 1299

<211> 396

<212> DNA

<213> Homo sapiens

<400> 1299

```
ctgctgcctg tggcgtgtgt gggctggatc ccttgaaggc tgagtttttg agggcagaaa 60
gctagctatg ggtagccagg tgttacaaag gtgctgtccc ttctccaacc cctacttggg 120
ttccctcacc ccaagcctca tgttcatacc agccagtggg ttcagcagaa cgcattgacac 180
cttatcacct cctcctctgg gtgagctctg aacaccagct ttggcccttc cacagtaagg 240
ctgctacatc aggggcaacc ctggctctat cattttcctt ttttgccaaa aggaccagta 300
gcataggtga gccctgagca ctaaaaggag gggctcctga agctttccca ctatagtgtg 360
gagttctgtc cctgggggtg gtacagcagc cttgggt 396
```

<210> 1300

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 469, 474, 475, 524

<223> n = A,T,C or G

<400> 1300

```
cctgtaatta gattgttagc tttcgtggc tttcaatgt cttttgaaca tgtgggagat 60
acttaataaa aagcatagct ctaggacact ataaaaattg ctaattactc cccttggaat 120
aaagacataa gaacatttgc ttaagattta atatgttata tataggcttg ggcatacagc 180
agtgaggggt ggggagattt tgaaaagttc tggtttgtca tttatgtagc tggtagtttt 240
gttttgaaac tgttatgagc aaccaccgga ataactctgtt ccccatagaa actgaacctt 300
aacttcaaat ttttattatc taagctataa taataggcgg agtcgatctg gaacatacag 360
ctcgagatca agaagcaggt cccgcagtca cagtgaagac cctcgaagac atcataatca 420
tggttctcct caccttaagg ccaagcatac cagagatgat ttaaaaagnt caannagaca 480
tggtcataaa aggaaaaaat ctggttctcg atctcagagc aagntctggg atcactcaga 540
tgcagccaag aaacacaggc atgaaagggg acatcat 577
```

<210> 1301

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1301

```
cctcatagat gccatcaagc ctttctcga ctattatgac ctggtggatg gggctctcta 60
ccagaaagcc atgttcatat ttctcagcaa tgctggagca gaaaggatca cagatgtggc 120
tttggaattc tggaggagtg gaaagcagag ggaagacatc aagctcaaag acattgaaca 180
cgcgttgtct gtgtcgggtt tcaataacaa gaacagtggc ttctggcaca gcagcttaat 240
tgaccggaac ctcatgtatt attttgttcc cttcctcccc ttggaataca aacacctaaa 300
aatgtgtatc cgagtggaaa tgcagtcccc aggcattgaa attgatgaag acattgtaag 360
cagagtggct gaggagatga catttttccc caaagaggag agagttttct cagataaagg 420
ctgcaaaacg gtgttcacca agtttagatta ttactacgat gattgacagt catgattggc 480
agccggagtc actgcctgga gttggaagg aaacaacact cagtccttcc aca 533
```

<210> 1302
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 1302
 aaatattaac gcacactttt tttttattat attaaaaatca ggcaatgggc tgacaataaa 60
 aaggctgctt atggaatact gttatgttaa acttcactta caggatgtta aatccttaga 120
 actaagggtt tccccccaga aaaagattaa tggaaacatc aattgctttt cagacttgat 180
 agttgctgct tcaaaagggtg gttttacaca aataactaat taaaaaaaaa aa 232

<210> 1303
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 1303
 gttattttaag gaggaaaaaa tattaaattt tgaattgagt gtgtaggctc cctatcatta 60
 tatatagagt ttctttttcc acggtagtca gtgacttaac ctgaattgta aatgtttgta 120
 aagggttaat tgtcctacat caaacttagt taaataatc catccactta tggaggagga 180
 ggagaatgtg gaagaggtaa aaagctgggc acaagttcat atgcctatga gtcagtaaag 240
 actgaagtaa tgtcctatgt tgagctggtt attttgatat atgataataa ttatctttga 300
 agtagaacia ttctgttaac tggaaaatca caggatatat ccacatatt tttcaggaca 360
 gatagttttt actgtggggc aaatagggtta aaattacact atgttagttg catttaggtt 420
 tt 422

<210> 1304
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 454
 <223> n = A,T,C or G

<400> 1304
 ccactggagt ttatttggtt gctgacggct tgactgaact ggacaagggt cccattaggc 60
 aactgcactg caccattcac ggtgctatct atgctgggtt cctctttcaa gtccacgctg 120
 ggaagcctct ctctctggag ctctctccaa atctccaagt ttgaatgaga ctgttctctc 180
 ctccaccaca gcctggaggg gcacagtggc aggcctacc tcagaaacag gatgcttggt 240
 ttcaatatca ccaacagaca actttgtttc ttcattgtct tctttcaagc tattcttttt 300
 ttccattaaag gggctttcag aaggactaca ctttatttct cgttcaattt ttctcttcat 360
 cctgggacat acaaagaacc agacgataag ggcacagaaa actgcacatc ccaccgagat 420
 gaggatggta cccacagag gaagtttgct aaanccagc actaggagat aaaatgggtg 480
 atcttgaaaa cccca 495

<210> 1305
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 1305
 tggggctgct cttgatata gtgtgaaggg gcctgccttt aatatggcat ctctgagtc 60

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agatttttggc atcaacttga agggcccaaa aatcaaagga ggtgcggatg tttcaggggg 120
tgtcagtgcc ccagacatca gccttggtga agggcatttg agtggttaaag gttccggggg 180
tgagtggaag ggacccaag tctcctctgc tctcaacttg gacacatcta agtttgctgg 240
gggccttcat ttctcaggac caaagggtga aggaggtgtg aaaggagggtc agattggact 300
ccaggctcct gggctgagtg tgtctgggcc tcaagg 336

```

```

<210> 1306
<211> 101
<212> DNA
<213> Homo sapiens

```

```

<400> 1306
ctgggtgggc cgggtgtggc ccagcccag gacaccgtgc agttccggat ccccatggaa 60
atgacaaggg tggacctcag gaattacctc gagggcatct a 101

```

```

<210> 1307
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<400> 1307
ctggagaccg acaggatttg ccatgcattt gcatcttget agagtttggg ttttatgaaa 60
gggcctatth tttttaagtt ggcataatth gagtggaaac actcacccta ccaaataaac 120
ttaagttgca actctaaaag cataaggaca ttttcaaatt ttctcttctt caactgagaa 180
aatgaatgtg ccagggtgaca tattatatac ttgtacttgc atacacatag aaatatatca 240
ctgtgcaaat tcgtccttga ctttataact gaatttcacc tcaaattata cattaatttg 300
cagaacaaaa tattaggaat ggcacaaaat ctgtggttcc tgattttggg cattttcaat 360
ttctgtagg 369

```

```

<210> 1308
<211> 145
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 120
<223> n = A,T,C or G

```

```

<400> 1308
ccttttctcca ccaaggaaaa aacgagaaga ccccaaaacc aggagagact ctgtggactc 60
caagtcttct gctcctcct ctccaaaaag accatcggtg gaaagatcaa acagcagcan 120
atcaaaagcg gagagcccca aaaca 145

```

```

<210> 1309
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 492
<223> n = A,T,C or G

```

<400> 1309
ccacggggac tgttattcgc aagctgggtt tctagacctg ttagctggaa gcatgggtgag 60
caccatttct ggacgtcag gccgtgtcgg gcttcagtc tctccaccac acaggtacag 120
cagcgcttct tggtagtcgc ccttagtgtc ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaatttt caacatgtcc acttcactgc gggagaccat 240
gattctgac aggaccttat ctgcgcgcc cttgcccttc atggagtcac acagccgac 300
agcaaaatag aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cattttccag 360
gtctccttta acctctttcc tgatgctttc caacatgtca taagggtgt aactcttgta 420
cctatcaaat actttctgga ggtggggcac gctccgctcg gtcattgatgc tgatccactt 480
gggaacatca gntcctttcc tcttcaactcc agcg 514

<210> 1310

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1310
aaaattacat ttgtagaagt cacacaacag aaagatacca tgcgggttgaa cagtgtgcct 60
gtacttgaac aagtgaaga agatacatat tccaaaaagg agattcagtc tagtgttact 120
tcagttattc acatagtgtc tacagggcag aatctcttcc aaagcaattt ttctgttcac 180
taatctacag gcactaatg 199

<210> 1311

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 95

<223> n = A,T,C or G

<400> 1311
ccaccttctc actgtgttct cacagggtct ttcttctgtg cctgtccctc gcagcagtcct 60
ctcccggctc tcttttgaag gagattggag tgcanaattg gctagtctga ggtttcagtg 120
tgcaagacgt agtcagatgg ctacacattg gaaccctggg agtaatgttt tattctttgt 180
ccgatggcat tgggcgggtt gaccagcct gcagtcagga ttcccttgta ccgttcaccc 240
gggagttcag aatcgcactc tggtgaaaag ttcagcaaga gcaccattgt cagcctgact 300
gccctgt 307

<210> 1312

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1312
aaagacatgc caatttgaaa aggcatacaa gtaaaaaaat aaaagcaaag gctaaaaact 60
actttacaat aaaaaaatta aataatcggc aggttaaatg aatgtaaaat gaggaatgta 120
cagtgaaaaa caaactaata taaagcattc cagttgataa aaacctctc aggcattatgg 180
tctgttttcc aaggaaatta tgtttcaatg taaagtttga aatactccag acatacattc 240
catgtaggtt ttgggtgcc atgttaaaat ttcaaatttt gcatgcaagg cttagcaaaag 300
aaacactggc agaattccag catttgcaaa attctaagtt ttggtgaata ttgtaaatat 360
tacaattggt attagaaagc catgatgaat ccagaattaa gagaaaaccc atttcataaa 420
tattttgttt gattaaaaaa taccaggcct accatgttct aaataactca agaaaatatc 480

ttt

483

<210> 1313
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 1313
 aaaatagggtt gttggagctt tcctcaaagg gtatgggtcat ctggttgtaa attatgttct 60
 taactgtaac cagttttttt ttatttatct ctttaaatctt tttttattat taaaagcaag 120
 tttctttgta ttctcacc ctagatttgta taaatgcctt tttgtccatc ctttttttct 180
 ttgttggttt tgttgaaaac aaactggaaa cttggtttctt tttttgtata aatgagagat 240
 tgcaaagtga gtgtatcact gagtcatttg cagtgttttc tgccacagac ctttgggctg 300
 ccttatattg tgtgtgtgtg ggtgtgtgtg tgttttgaca caaaaacaat gcaagcatgt 360
 gtcattccata tttctctgca tcttctcttg gagtgaggga ggctacctgg aggggatcag 420
 cccactgaca gaccttaatc ttaattactg ctgtggctag agagtttgag g 471

<210> 1314
 <211> 237
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160
 <223> n = A,T,C or G

<400> 1314
 aaaaaaactt ccattgccctt ccattcccct cctccaaaac taggtattgt ccaagttgta 60
 tcaaatgccca caaagtctac catgcaccca gaagcagaga agacaggagg tccagaggac 120
 aaggtatgct ggggtcacta ctgcgactgc agagtccaac cgagttaact catgctgggg 180
 gcaaagaatg gaaagagcta atacacagac aaagcaaaag aacgaaatgc gcagcct 237

<210> 1315
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 1315
 aaaaaaaaaa aagtcaccag caagtagtcc cgggtgggag gtgggagcag aataaaaaaa 60
 aatctgcaat gattcctaatt tgtttttcaa tacagaagct tgggaagggg tttctgccag 120
 tttcatgagg aaggcacaac ttccaggtag tgttggggaa gggatatgagg tcctatgcag 180
 gctggcctct tatcccacag atgccaagat gatgtctact ggcagctcct ccaaacttct 240
 ggctgtcacc tgcattgtca ctgtgtccaa aagcagcagc cgggagcgca ccaggatgtc 300
 atgaccaccc cg 312

<210> 1316
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 42, 73, 98, 110, 173, 186, 206, 214, 230, 243, 266, 276,

287, 317, 335, 337, 360, 418

<223> n = A,T,C or G

<400> 1316

```
gcaacctcca cctccccgggt tcaagngatt ctctgtctc anctctctga gtagctggga 60
tcacaggcgt gcnccaccat acccggctaa tttttgtntt ttcagtaaan acgggggttc 120
accatgttgg tcaggctggg ctcacattcc tgacctcatg atccaccac ctnagcctcc 180
caaagngctg ggattacagg catganccac cgcncctggc ctgtttacan actttacaaa 240
canattttgt ttacaagctt tacacncacg gttcanttgc agttagncta tattatgctg 300
ggcccaaaac aaatgtnttt tttttttttc ccagnngggc ccaaggaacc caaaatttan 360
acaaccctgc tctaaagggt ttgattcatg tttccactgg gttatgctta ttgcctgnaa 420
ttcca 425
```

<210> 1317

<211> 172

<212> DNA

<213> Homo sapiens

<400> 1317

```
aaaaagatct gctttttatac agaaattgaa ggatgccata ttatgagtgc ttttaagattt 60
tattctactg acttctaaaa ctgttaatat atcttttttt aaataaaaaa aaaagtttgc 120
tgtctttttt aaaaagcaat cctcaaactc tctagccaca gcagtaatta ag 172
```

<210> 1318

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1318

```
cctagagagc tagagaagca agtaagggcc agggccagag tcggcttcaa tggaacaaca 60
gccagtgcc ctaaggcccc taactcttgc tggctgtttc ttgaccccaa gccaggggtg 120
ggagtctctt gggca 135
```

<210> 1319

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1319

```
ctgcttcaag acctcagctt catgggactt gcgtctttct tctgcagctt ctaatttctt 60
ctgaatttcc tccagggaat gatccttctt ctttggaggg gaaaggggga attctggaac 120
agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcctgagg cacgcttctc 180
cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240
tgtattctgc acaatcaact gggataagga aagtctgtct cagtcogagc cgcc 294
```

<210> 1320

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1320

```
ctgcctaagt agaggacaaa gactttctcc tttcaaagga gaactgagtc caggattggg 60
aagtttaagg cacttaacct tgaccagctc tgtaggtctg gagcattctg gtccctggcc 120
gcttt 125
```

<210> 1321
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 1321
 ccttcctaaa aaatagtggg gagctggagg ctacttccgc cttcttagcg tctggtcaga 60
 gagctgatgg atatccatt tggccccgac aagatgacat agatttgcaa aaagatgatg 120
 aggataccag agaggcattg gtcaaaaaat ttggtgctca gaatgtagct cggaggattg 180
 aatttc 186

<210> 1322
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 1322
 cttgacgttg acaatcgagt agtactcccg attgaagccc ccattcgtat aataattaca 60
 tcacaagacg tcttgactc atga 84

<210> 1323
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 1323
 tgcagcagac cgtaaccatt atagacgcta tccacgtcgt aggggtcctc cacgcaatta 60
 ccagcaaaat taccagaata gtgagagtgg ggaaaaag 97

<210> 1324
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 1324
 aaaattacat cagctttgtt atcctggtag tctcggagac caacccaaaat aatgtccgag 60
 gtatttatcc aaaccttttt tctcaatttt cctctgatgt gacataacct ctttacacca 120
 tcgaaacaca ttgcttctag ccgtccattt cccaacattt tgattacctg agcatactcc 180
 tgaccatctt ctttgaatac cagttctctt ttttcagatt cattctcatt cttacccttg 240
 cgtctgtttt tacctccttt acctttattc ttgggcatgg cgggtggcggc gacctcgcg 300
 cgtctctgac ttctttccgg gtagcggcga ccgcggcggc tgctgctccg aggggcgaca 360
 cgaggagcgc cgcgggacca agtaggtgct ggaggccagg caacgtgcgc gggagaggct 420
 ggcgaccag ctcttca 437

<210> 1325
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 498
 <223> n = A,T,C or G

<400> 1325
 ccacttctgt aaaatccaaa ccaactccgaa tctacagggg ccacaatgga atcattgagg 60
 aatttcacca tcacaaactt cttcaggggc atcaggtttt tottgtagga ctcattgata 120
 ccccgctcct gatttatatc tgccaagaag atgctgtggg tgcgatacac atcctccttt 180
 atgggggtcat gccagtattc ggcttgcaag aggcgttctt gaacaacttt ggagtacgcc 240
 ccagcattca gtgtttttcg gatgaagtca cagatgtgag agctctctcc tgggcatcga 300
 gggagtccaa aaacaccttg atgttgtccc ccaaccgaga tcagattgat catgggaggt 360
 gaagggcatc tctgagccac tgccctcaga aattggcctc cctgggagaa tcccatagca 420
 ttgtagcctt gctgcaattt aggatcctta gcaagtgcct gacacactgt tgttacttgg 480
 gaattgacat tcaagaanaa gctgttctcc acgtcctcca tcagggt 527

<210> 1326

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1326
 ctgcagccgc agcctgtggc tgtgcagggc cccgagccgg cccgggtcga gaaaatattt 60
 acaccagcag ctccagttca taccataaaa gaagatcctg ctacocaaac taatttgga 120
 tttatccatg catttgtcgc tgccatatca gttattattg tatctgaatt gggtgataag 180
 acatttttta tagcagccat catggcaatg cgctataacc gcctgaccgt gctggctggg 240
 gcaatgcttg ccttgggact aatgacatgc ttgtcagttt tgtttggtta tgccaccaca 300
 gtcaccccca gggctctatac atactatgtt 330

<210> 1327

<211> 512

<212> DNA

<213> Homo sapiens

<400> 1327
 ccactaaaat tcatattgag attatcttgg tttcttggaa gagataggaa tgagttctta 60
 tctagtgttg caggccagca aatacagagg tggtttaatc aaacagctct agtatgaagc 120
 aagagtaaag actaagggtt cgagagcatt cctactcaca taagtgaaga aatctgtcag 180
 ataggaatct aaatatttat agtgagattg tgaaagcaac cttaaagttt tgaagaagac 240
 tgatgagact aggtgctttg ctccctttca tcagggtatct ttctgtggca tttgagaaca 300
 gaaaccaaga aacatggtaa ttactaaaatt atgaggcttt gctttttgtt tgcttttaag 360
 tagaaaaaca tgttggcaac attgagtttt ggagttgatt gagataatat gacttaacta 420
 gttttgtcat tccatttggt aaagatacag tcaccaagaa tgttttgagt tttttgaaag 480
 accccaattt aagccttgct tatttttacc tg 512

<210> 1328

<211> 120

<212> DNA

<213> Homo sapiens

<400> 1328
 ggcggctggg accctgtaca cgtatcctga aaactggagg gccttcaagg ctctcatcgc 60
 tgctcagtag agcggggctc aggtccgcgt gctctccgca ccacccact tccattttgg 120

<210> 1329

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1329

```

aaaaatctga aatagtaa ataaatataaa aatgtaaact ctgaaaggag agaaaataag 60
aataaatatg tgtaaaggta atgcattaag atacaaagga tctcacagag gttaatattt 120
tacaacacta aaaaaaaata aaatgctcta tatattttct tagttgggac attttgtttc 180
aatttaattt ttggttatgt taacaaaaat tacctctaaa gaggatgtta aaaaaatagc 240
aatgacgtta ccatcttaac taatgaatat cctatcacc taattttttc taaaagaaat 300
ggattttttt                                     309

```

<210> 1330

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1330

```

ctgttgcaat caaggccatg gcaaaaataac tggctcccag ggtggcgggtg gtggcagcag 60
tgatcctctg aacctgcaga ggccccctcc ccgagcctgg cctggctctg gcccggtcct 120
aagctggact cctcctacac aatttatatt acgtttttatt ttggttttcc ccaccccctc 180
aatctgtcgg ggagcccctg cccttcacct agctcccttg g                                     221

```

<210> 1331

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1331

```

cctgttagaa aagcacccac ccaagcctcc tggcatcagc taagccattg gcattgtcgc 60
cattcccaca gggacatccg cagaccatcg tgagataagg ctg                                     103

```

<210> 1332

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1332

```

agaatttcag agctgaagat tttagaagca aagcaaacac attctggata cacgtgagat 60
ccaagtgggtg actgtgctac tgagaagctg aacgaaatgg aaagcaaagc ctgttggagc 120
tgaggtcaaa gaatgtgaag ccagagtgga tactgaatgg gaaagttaat aacaaggatg 180
tggaagctat tgaggagacg gagtgcgcct aaagagctgc taagccacac atctcttgag 240
accagaagc tcgatctgat gactgaagtg tctgagctga agctcaagct ggttggcatg 300
gagaaggagc agagagagca ggaggagaag cggagaaaag cagaggagtt actgcaagag 360
ctcaggcacc tcaaaatcaa agtgggaagag ttggaaaatg aaaggaatca gtatgaatgg 420
aagctaaagg ccactaaggc tgaagtcgcc cag                                     453

```

<210> 1333

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1333

```

cggccgaggt aaagtagtct tccgtgggtg ggaagcctca cctcccaaga ccagagtcag 60
ttggagctgg ttgttgttgg aaggaggatgg gttggggaac tgggggtggg gcaggagat 120
cccccgctc tgctggcggt cctaggtgga gaagaactgc acttcacaga gtct                                     174

```



```
cctcccatgg agggcctgcc gtgacgctca gtggagaggg cagggcctgt gtctccactt 540
angccacaca gtgatgagga aaccacagat ggagcttctt gccgataata 590
```

```
<210> 1337
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<400> 1337
ctgacgcgtc atttcagcat ttttccagcc ttttttgaag ctcttttagga agccttcccg 60
tgagagtaat ttgtccaggt catgtacaac acgctggggg attttaagta cagtgcgtac 120
tgctggaatc cggagacagg ataacttgac cagggaaaac aaattggagg agagccagta 180
cataaacact gccgtgggga aatgcatggg tatgggcaag gttatcaggg gcatcattct 240
gatgacattt ctcacccact gaaggtcaga actttgcaca cctgtctcag cacctagctc 300
aagaacagcc cacattgtag cagtgactgc cagtggtaat atgtagatgg gatcggatac 360
cgtgagatcc tggaaccacc agaggccacc tgtctgcagg ctgggcacag gaaggttgg 419
```

```
<210> 1338
<211> 397
<212> DNA
<213> Homo sapiens
```

```
<400> 1338
ctgaggccga gcccaactag gtccctgggca cccctgcagg tgggagtggg ccttgtctctc 60
ctggatatcca gcagacaccc cctctcctcc accagcccca ttctcaggtc ctttcctctt 120
tgtcaccaac accaagaatc tgtccagggt tcttggttta tcttttatct cttttcactc 180
ctagagagga attgcaattg actcagaatg acacattttg gcaccacgtg tgtagaaagc 240
ccccactggt agatgatagc ctctgtgaaat tcatgtttct gtattctcct atttcttttc 300
aaaaactaat tttttttttt agtgtataaa atcctaagag ggaactgatt taagaaacaa 360
ggccgccaaa caaaggcagc agttccgact ccagcag 397
```

```
<210> 1339
<211> 527
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 435
<223> n = A,T,C or G
```

```
<400> 1339
ctggtcaccc aactcttgtg gaagagggga attgagatcg agtactgaat atctggcaga 60
gaggctggaa tccttcagcc ccagagccca gggaccactc cagtagatgc agagaggggc 120
ctgcccaggg gtcagggcag tgggtatcac tggtgacatc aagaatatca gggctgggga 180
ggcatctttg tttcctgggt cctcctcaa agttgctgac actttgggga cgggaagggg 240
tagaagtagg gctgctcctt ttggagctgg agggaaataga cctggagaca gagttgaggc 300
agtcgggctg tccaggttct aagcatcaca gcttctgcac tgggctctga ggagattctc 360
agccagagga tcccagcctc ctctcctc aaatgtcagt ccaagcaa atccaaagcaa 420
cgcacgatt ttgtngaagt caattagaga tgtggggagc tatcggagac aagcactatt 480
gtaccttttc acctccacac ttgtcacaag cagggactgt ctctctcc 527
```

```
<210> 1340
<211> 348
```

<212> DNA
 <213> Homo sapiens

<400> 1340
 ctgagctgca ggatgggagc tgggctgact ggaggggtag acgggggtgg gtctgacccc 60
 attagccttt ccccatccaa cctgggcccc cataagccat tctctggccc tctgcacaag 120
 acagactcag caaatctgcg aggtatgggg attctgcca ctccccacct cgcctcacct 180
 tccctaggct tgccgggtga cccaatccac tgggtgcagc cccacccctg ctcaacccca 240
 catctggaca gacacatggc aaatatggaa ctgaagcccg gctgggctgg agcacatctg 300
 gttgtgtgtg ggttgagatc gtcttgacag tgtcccaagg tggtcagg 348

<210> 1341
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 1341
 gaaataaaaa aataggcttt gtgtatggtt aaactgtaa tcttatgttt acaaaatact 60
 gtaattttca ggaaatcact gtattaggaa tgtgcaatga cttatataaa taaaagccat 120
 tttt 124

<210> 1342
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 1342
 aaatatcttc attttgatct atcattaatg gagaaatatt ccgtctacca tgtatataag 60
 gactttcagc agatgaaatg cttaaatagt ttaagggtgg aaatgaatac agcaattaga 120
 aataaggggt tgataaaata tgcatttagt tttgctgtta cagttaaaga agcatttttt 180
 aagaaagact ttctcattta tctactttgt gcaataaaac ttaatttttg ttgttgtgat 240
 ttatcttaca aaggatactg tatactgttc tttttcccaa actaaagtct aaatttgcac 300
 taaaaaaaaa tcatgcatga tgaaaagacc agcctactta aatgtgcttg gagtcctttc 360
 atgttggcat ggatcaaagc ctgagtatcc cttcaaacat tttccagttt gccag 415

<210> 1343
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 1343
 aaaagttatt atttttttac tctttctttt ctttggagag ggtaccaaag gatagctgtt 60
 ctgttttaagt agggacctct catggcctac aggccttgac atctgagaat caaactggag 120
 aacattccga agcgtttctt ataagtgcct ccattctctac ctgggctgaa atggaatgtg 180
 caaatgtagc ccagcctggg ccttgggtgt tgccagttga ttgatgactg ggagccaaag 240
 tggcatctcc tttgacctaa acgggcgatg atgaaataaa actcaacagc ctttctctca 300
 tcttgcatgt tgagatgcga aatagagcgt gtctctctgc ctctcatttt aggcctgaggc 360
 cgtccaaagc ggccatgcc catgtttcca ctgatggcg ctgacacttc aggcattcaac 420
 cctcatggcc tctcagcctt gcaaaggcag ccaactaaaag tcggtgtcct gtgtggggca 480
 ccaagctgag ctgcagacac ccagtaggcg cgaggcaaat gcgtccatt ttaagaggct 540
 tgtatttatg agctc 555

<210> 1344
 <211> 551

<210> 1348

<211> 435
 <212> DNA
 <213> Homo sapiens

<400> 1348
 aaaatcttga gggattgatc tcgcctcatg acagcaagtt caatgttttt gccacctgac 60
 tgaaccactt ccaggagtgc cttgatcacc agcttaatgg tcagatcacc tgtttcaatg 120
 gcttcgtcag tatagtctct ctccaggaac tcgcgcactg acttggcacc ccgacctatg 180
 gcattggcct tccaggcatg gtatgtgccc gaggggtcag tctgatatag cctaggagtg 240
 ccatcaaagt cgaaaccac gatgagggca gagatgcaa acggcctgcg cccattgctc 300
 cgcgtataac gctgcttcag actggcgatg tagcggtga tgtactccac agtgaccggg 360
 tcctccacag tcagccggtg gctctggcac tccaccggg ccctgttgat gactatcctt 420
 gcatcggcgg tgagg 435

<210> 1349
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 1349
 caggtaaaata taacaaaatg tgtaatttgt gactctaata ttaaataaga tatttgaaca 60
 agctaggaaa attgaatttc tgctgctgct tcaaagaaaa agctgcccc gagcattaaa 120
 catgggggat tgtaagaag caaaatgttc ttgtttgcc tcatgtgttt cacaccacaa 180
 ttctgtgcc cagttaagag ggtctggtac ccttgacgga cctttgtagg ttgtgggaaa 240
 aagtgcgaga aagatactca aagtggagca gggaatggag acagacatca gtgatgataa 300
 aaaaaaaaa aaatggacct taagaaacta ttactctgt aatctctaataaaaatattga 360
 attccatatt agggcaatga ggctgaaact actgggtgtt ttctgccttg agaaaacaaa 420
 cagttaaaac aagcctcaaa tgtatttttag tgccacccac tgg 463

<210> 1350
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 1350
 ccatactggg ggaacagttc atggttgggg aggagatctg tggggctgtg gtgtct 56

<210> 1351
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 509
 <223> n = A,T,C or G

<400> 1351
 ccagcctttc acatcccatg ggaaaccgcc cccccgggcc ttggagaatg ggggtccaag 60
 tgcctatccc cctttggatg taaaattcat cgttagtaaa catcatccgc ccagcaacaa 120
 gcaaagcaca tcgcaagatt aaaacaaaga atccgccgtg aacagaaggc agcaaagaaa 180
 atgtggagct actgggatcc cagggtgcacc aggactctgt gaggacagca cacctgagt 240
 atgatgatta acaccttctg gagccagctc atcagctcag agcccagggt caggagttcg 300
 ttcagtaacg cagcgggaat caatctgcac tgacaccgcg gcaggaaact aagctgcct 360

```
<210> 1352
<211> 555
<212> DNA
<213> Homo sapiens
```

```
<210> 1353
<211> 310
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 223, 224
<223> n = A,T,C or G
```

```
<210> 1354
<211> 522
<212> DNA
<213> Homo sapiens
```

```
<400> 1354
ccacagcaca gaattttatg tgaggaactc agatttttga agacttaaca attgcagaga 60
aaggttgcag cctgcacacc atagcccacc tctctgagca gactttgggtt ttgtgtggtg 120
acgtggcaca tgtttgtaca ctgggatttt tcaaaggacg ctacgcgagc agactgactt 180
gcctcttctg tgagcactgt ggcttttgtc agatggagtg ccggtctgca gaggactgct 240
ctttcgaatc cacagtgtta tctgtgtaaa tagctttaat ttttcttctg tgtcttaggt 300
gaagttttgt tcatgtagca accaggtaga cagtgaccaa ataaggctgt aaatgtgctg 360
tagttttcta ctgtgatgta cttgaaggag aacctgtgtc ctctactttt ctgatctccc 420
acaagtatth tgtgtttggt tcctgagtc tgaggttatt attttactcc tgttttgccc 480
ccagtthttt ttgtthtttt tctggagacc caggagggcc ca 522
```

<210> 1355
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 1355
 ccagcagttc ctctttgcct tatattttgtg gtacgcccgg ccagccttca agatggggtt 60
 gtcaattcgg ccacctccag ccaccacacc aaccacagct ctgttggtg aggagataac 120
 cttcttggag ccggagggca gcttcacacg ggtcttcttg gtctcagggt tgtgggagat 180
 aacggtggca tagttccctg atgcccgggc cag 213

<210> 1356
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 254, 342, 404, 480, 486
 <223> n = A,T,C or G

<400> 1356
 cctaagctct aggacggtga atctcggggc tatttgtgga tttgttagaa acagacattc 60
 ttttggcctt ttcttgccac tgggtgtgcc ggcagggtgg cagaagtgag ccaccagtca 120
 ctgttcagtc attgccacca cagatcttca gcagaatctt cgggtaatcc cctgaagtat 180
 ctcccagat gtcgtggtac agcgacttgc cgttttgtac aagctttttt tttttttttt 240
 tttttttttt tagnaaatag tttattcatc cagcagtttc agccttgata ctgaagcctg 300
 ttgcgggggtt tcttattttt ctggctggag cctgattatg anaacatggc ctcaccacgg 360
 ggccagcgct caaattcctg ccctgccgat catccagaca tcanaggaaa tgagagtatt 420
 gctcaaata gggagactgg agctttatta aggaaacaaa aaataaccagt aagactagan 480
 agggngnggtt aatg 494

<210> 1357
 <211> 403
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 36, 38, 63, 68, 77, 89, 92, 102, 126, 210, 237, 293, 337
 <223> n = A,T,C or G

<400> 1357
 caagcttttt tttttttttt tttttttttt tttttngnat aaatagactt tattgaagtc 60
 agngcctntg tactganaca gaagattgng tntacataag cncaagttgt aacatttcac 120
 aacttntaaa aggaatgtca acaattacaa cgatcatgca taccatggtc gataatcaca 180
 ttttaaaagc attttcaacc atttctaaan aaatgcttat aacattgtta tatatanaac 240
 tactttcaat aaactgcaaa acattgatcg acttttccag tatgagctac agngtcaaca 300
 caaaaggag gcataaatgt ttaatttatg aaatcanaat ggaatattta ctgtaaagaa 360
 aaattaaaaa gctttcaaat aaaggccatt atcgaaccaa cgt 403

<210> 1358
 <211> 617

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 578
<223> n = A,T,C or G

<400> 1358
ctgaaaatct gaaattaaaa gcatgctaga aatcctaaat gcaatctttt ggaagtctgc 60
tattaaaaag cctttaagga tttactaact tcgagtctaa gtgcaagggg acgaaagctt 120
aagcctgtca gacattcctt ttcttggaaca aaaagatcaa agtttcctac aaattgctaa 180
gctttgcaca agggagaagc ctacatgtac tagtgcatgg aatcagtttc atcttatttc 240
atggggactc ttctccact ggaaagaaac agaatgagga atgaatctta attggtctct 300
tcatcagaag tggtaaaactt ggtctctata ttcacgaagt cagacagttt ttttaagcaga 360
ctgtggaagc agacagaacc agcttcctgt agccacagac cactacatgg tatctaagct 420
aaagcaaaga tgaacaatta tccagattca cttgaactgt actaaagggc aaggttcacc 480
actacaaaag ggaagttgtc taaaagcaag aattcaatta acgctgggta agaaaagtca 540
aaacactaat gagttgtcca tgaagccaac tgctaagnac gcgctcaact atacgcgaca 600
tgaagacact atgcacg 617

<210> 1359
<211> 483
<212> DNA
<213> Homo sapiens

<400> 1359
aaaattaaaa aacgaaagaa aaaatagctg ggtgtggtgg ctcacacctg taatcctagc 60
actttgggag gccaaaggcg gtggattgcc tgagctcagg agtttgagac caacctgggc 120
aacatgggtg aaacctgtc tctactaaaa cataaaaaaa atcagccagg tgtggttagcg 180
tgcacctgta gtcccagtta cttgggagggc tgaggcacia gaattgcttg aacctgggag 240
gtagagggtg cagagatcat gccactgcac tcccagcctg ggtgacagag caagactgtc 300
tcaaaaacaa caacaacaac aacaacaaca acaaaaacaa acaaaaaaaa cctctcaaaa 360
aaatgaaaaa aaatttaaat taaaaaaa aatgctgggt ctgatggctc acacctgtca 420
tctcagcact ttgggaagct gaggcaggca gatcacaagg tcaggagata gagaccatcc 480
tgg 483

<210> 1360
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 526
<223> n = A,T,C or G

<400> 1360
gctggagccc accaagctgt cactgctgca ctactctgc aagggatcag gaccagcaac 60
ctttatattc tagattctaa gacattgtac agagaaattc agaagtgtaa aaatattgca 120
cattgacaaa taccaagaat ttttgcgtat gtttatattg tattgttcta aataatgggt 180
agcctgtgaa ataagatctt gccacccatg taataatagt agtaatacta tagttaaaat 240
ggctgtaaga atagttttat aaaagtgaat acacagatct attgtatttg aaacataact 300
ttgacaatta ttagtgtgac caaagtatta ggcggttttc atacattttt cacctgtgac 360

```

aaaattatga attcattttt cctccaggcc gacaaggagt tgtagaatga aaatgccttc 420
taagtgttat tttggttggt ctaacttaca aaagtgattt tgaataagaa atatttggtg 480
ttctttttat aaccagtttt tgattggtaa ttgttttctg tattgnntt 528

```

<210> 1361

<211> 490

<212> DNA

<213> Homo sapiens

<400> 1361

```

ggagcagtc cagccttggt cagacaatgc tgtgctttcc agtgggtctca cggcagcacg 60
atgaagactg gaaagcgacg ggtctggtgc ggttctccca cttttccata agcagaacaa 120
gaaccaaadc aaacgtctta acgcgtatag agagatcacg ttccgtgagc agacacaaaa 180
cgggtggcagg tttggcgagc acgaactaga ccaagcgaag ggcagcccac caccgtatat 240
caaacctcac ttccgaatgt aaaaggctca cttgcctttg gcttctctgt gacttcttcc 300
cgacccagaa agcatgggga atgtgaaggg tatgcagaat gttgttggtt actgttgctc 360
cccagagccc tcaactcgtc ccgtggccgc ctgtttttcc agcaaaccac gctaactagc 420
tgaccacaga ctccacagtg gggggacggg cgcagtatgt ggcatggcgg cagttacata 480
ttattatttt 490

```

<210> 1362

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1362

```

ccaacataga acttgatag gaaatccttt ggcccttgccg cttctgtttc atggaagaac 60
cgcataacat gtgtccgctg cttccatact ttaattgttt cttccagtto gatctttccc 120
ttaatgacca gaagatcaac caccctgggg tctgtgacat gggcattctt cataaacatt 180
tctcggactt tatcccgtcc cattttcaca gtgatgtcca g 221

```

<210> 1363

<211> 482

<212> DNA

<213> Homo sapiens

<400> 1363

```

aaattctctg gatgagcaag aaggggttaa aagtggaatg tatgttgtaa tagaagttaa 60
agttgcaact caagaaggaa aagaaataac ctgtcgaagt tatctgatga caaattacga 120
aagtgtctcc ccatcccccac agtataaaaa gattatttgc atgggtgcaa aagaaaatgg 180
tttgccgctg gagtatcaag agaagttaa agcaatagaa ccaaatgact atacaggaaa 240
ggtctcagaa gaaattgaag acatcatcaa aaagggggaa acacaaactc tttagaacat 300
aacagaatat atctaagggt attctatgtg ctaatatata atatttttaa cacttgagaa 360
cagggatctg ggggatctcc acgtttgatc cgttttcagc agtgctctga aggagtatct 420
tacttggtg attccttggt tttagactat aaaaagaaac tgggatagga gttagacaat 480
tt 482

```

<210> 1364

<211> 442

<212> DNA

<213> Homo sapiens

<400> 1364

```

ccttggggcc agatgagcca gtacagactc cagacagagg ggcccttggg gccctccaac 60

```

```

ctcaggtgat gagctgagaa agatgttcac gtctaagcgt ccagtgtgca cccagcgctc 120
catagacgcc tttgtgaact gaaaagagac tggcagagtc ccgagaagat ggggccctgg 180
ctttccaggg agtgacagca gcagccggcc tgcagaccca gcctgaccaa cgatgagcat 240
ttcttaggct cagctcttga tacggaaacg agtgtcttca ctccagccag catcatggtc 300
ttcgggtgctt cccgggcccc gggtctgtcg ggaggggaaga gaactgggcc tgacctacct 360
gaactgactg gccctccgag gtgggtctcg gacatcctag aggccctaca tttgtccttg 420
gataggggac cgggggggct tg                                     442

```

<210> 1365

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1365

```

aaagttgctt tgctggaagt ttttataagg aatctcaaata taaactttta gaagtttaata 60
tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtggggtt 120
attacctatg ggtttatata ctcaaatacg acattctagt caaagtcttg gtaataatac 180
caatgttttc aaatgtattc tgttatatac agagcagatt tttattgaac ttgtgcaata 240
actatattcc catacaatat aaatattcat gaatagtttc ccaagtcttg agcgaccaca 300
tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatattta tcaaattgct 360
gtaagctgtg gatagcttaa aagaaaaaaaa gtttcctgaa atctgggaaa caag          414

```

<210> 1366

<211> 502

<212> DNA

<213> Homo sapiens

<400> 1366

```

ccagtttggt ctaggatgca ttgcatcaga catcacagta catgaagaaa atctgctttt 60
tgtgaaaagc caccaggcat tttagatccc gtttaccatg aagtgcagac acagcagata 120
cccagataat acagtcagtg caaaagtcaa atgagtaagt cagctctttg atgaggctgg 180
ctacactgca aaatataaat gaaactcgaa aatagaaggt aaggctctatt taaaaagtt 240
tgtttagtaa agtgacttga aaaaagttgt taaccacttc ccaggcatcc ctccccctctc 300
ccacaaaaac aaacaaacaa aaaacaacaa caacaaaaac cctgaaaatt atcttgaaag 360
tcaagttaaa actatgtggt gaaaaagaga gtgcttgttc caggtaaagg acttcaagat 420
aatttacagg cagatttatt tttattagta aaagtcacaa ataggaaaag acttattggc 480
tgactttgag ctgtgtgctt tt                                     502

```

<210> 1367

<211> 411

<212> DNA

<213> Homo sapiens

<400> 1367

```

ctgtcagggg ttcacagttg agcttttggg cacctgctga gtgggctcta tcaggttggg 60
ggcactgggc catctggggg agtgaatgac ctgagagctt cttcccagga atttggattt 120
attttagaag agaaagctgc tttgcctgtc ccttctctct ctctgcttct ctttttaaca 180
ccaactgtat ttagatgaag actgcccccc accaccgtcc ccgttccatc tgtctttctt 240
acaccagtaa tcctgtaaat gtgtattttt ctccctttca tgtgttgatt caacccttga 300
ggttgggtgg acattgcatt agactcacgg cttcttaata gtactggact ttgggtttctg 360
ttttgtgttc catacggaga ggtctcttcc tttctgagtt tccgcatgca g          411

```

<210> 1368

<211> 255

<213> Homo sapiens

```
gacacactaa catttatacc aaattgcaga ttattctgca gagagggaat tgcattgtttg 60
tggtgtatat ttagtatgaa cttttttcag aatataatat ttcttagtta tcaaaagtag 120
ttggaaaaca tttgcaagac tatgaacata gaattgctgc ttttatattt taactgcaga 180
ttgtgaattt cactgcctta tattatttat ttctgaaaca aaagaggcat ttttcaataa 240
aactactgaa aattt                                     255
```

<211> 63

<213> Homo sapiens

ctctcgagaa gatccctagt gagactttga accgtatcct gggcgaccca gaagccctga 60
gag 63

<211> 402

<213> Homo sapiens

ctgtttaaaa	tgactgtctg	actcaccatg	gtaatttttc	acaaattaaa	gacacatttt	60
gggtgtgca	acagtgtctt	catctttcca	ggcaggcaga	ttattttaat	gctgttatac	120
agggaaattg	gactctcgga	ttttcttttt	taaccttttt	atgcctttca	gtaggggaag	180
tttcttgaa	agagagctgc	aaatctctta	agtatcaacg	taaagaagcc	gatgacccaa	240
ttcgggaagt	ggttcaagt	ttctgttcgt	ttacaaaagc	acagaccacg	accatggaca	300
caccagtg	aagtaaccac	acctggtgtg	ttcctagaag	ctcacctgtg	acagttcaac	360
aagaacttac	tattccagaa	aagtattaca	caaagttatt	tt		402

<211> 456

<213> Homo sapiens

aaaaaagcac	ctccttaccc	catatcacgt	ttctctgaca	ggtgttaaag	taggcaatga	60
gatatgcaac	agcttgagca	tcagcgtctt	gcaaggactt	cagaccaacc	actcgccaaa	120
aatcttgga	gcttttttat	cttggtttta	atacaacggt	acatccactc	tgatggcaaa	180
cctgtccagc	cacatctcca	caacaagcgt	tgcaaaatca	gtgattagca	aattagttag	240
cttggaacg	gagctgtgct	cgcttgcccg	tgacagcctg	gaagccgggt	ttgatactgg	300
caacagaaca	tctagaatga	caagtttcgc	actgtaggaa	atagagtcgt	gtgtccttct	360
gcaggattgt	gtccgggtgat	cggcatgtgt	gacaagtgc	atattccttg	atatatcttc	420
tcaagacatt	ttctatctgt	ttctgttga	atcttc			456

<211> 327

<213> Homo sapiens

<400> 1372

```

aaaggagact ggatatggag tgaagacaca gtctattaat gtactgagtg gagtatgggt 60
agcctatgaa aatcctgact tcacaggaga acagtatata ctggataaag gattttatac 120
cagttttgag gactggggag gcaaaaattg taagatctct tctgttcaac ctatatgttt 180
ggattctttc actggcccaa ggagacgaaa tcagattcac ttgttttcag aaccacagtt 240
tcaaggtcac agtcaaagtt ttgaagaaac aacaagtcaa attgatgatt cattttctac 300
caagtcttgc agagtttcag gaggcag 327

```

<210> 1373

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1373

```

ccattaaaag ttattttacaa cagtgggaga aaaaaagaca agaagttggt tcacattaca 60
gacctcccc caccctaaag cctaatactt gcttaccaag tcaaaaaaga gacacagttg 120
attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acggggcagt 180
gtcctcccca gccaggtgc cactaggcac agcacaagag actaaaaaca acaggggaag 240
gctggacact caaggtttgg gagtataagc accccacttc tggctcaggg atttggggag 300
tagggtaaac aaaacctact tggaaaagaa ttgggggaaga aaaccaacaa ctgccttatg 360
caggggtggg gacaggggaag gaggtagggc cagggacagg agcatttcac atcactaacc 420
taacttggga agctgtaagg gaccatcttc aactggcctt aagaggagaa ccagatggct 480
gat 483

```

<210> 1374

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1374

```

ccagagggaa gtggatgcgg ggatagggca ccaggttggt ctggaattct gtcaggtcaa 60
cattcagggc tccatcaaat ctgaggaag cagtgatgga ggacacaatt tgacctatta 120
acctattcag gttagtatag gttggacgct caatatcgag gtttctacga cagatgtcat 180
agatggcctc attgtctacc atgaaggcac aatcagagtg ctccagggtg gtgtgggtgg 240
tgaggatgga gttgtagggc tcaactacag 270

```

<210> 1375

<211> 558

<212> DNA

<213> Homo sapiens

<400> 1375

```

ccaacagagc aagaccgtgt ctcaagaaaa gaaaaaaaaa agttcaaatt ctttagaaaa 60
cagcataatt tgtagcccgt gtgatgccaa taggaattgt caaggaagtg cccgtccaag 120
tcatggaaga tgatgttatg gtacagggtg gagagcaacc actgaaggag attctgggaa 180
ggccaaaggg gagggcgggc tgaggggtgt ccattttaag ggttaacttg ccggaaacct 240
caggccgact ttccagagca gagggcctag ctttctgccc ttccccctgc aggagccaat 300
ttagtcaaaa gaaagcaaac tctggattgg ggggtgcaaa aggagacgct ggctggcaaa 360
gacctggcac actcatgcct accagctttt tacgtggctc taaacttctt gagcccaccc 420
agaattccaa ctgggtgagt cctagcagcc tcttagcaca cagcaagagt cccccactcg 480
ctaattggac cgagcccaaa gcagatcccc tttagatgtg gagtgggtcc tatccctcca 540
gcccctcgga atcatgat 558

```

<210> 1376

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1376

```
ctgctcattg ccccttcaa agaggaggac gagtgggaca gcccgcacat cgtcaggtac 60
tacgatgtca tgtctgatga ggaaatcgag aggatcaagg agatcgcaaa acctaaactt 120
gcacgagcca ccgttcgtga tccaagaca ggagtcctca ctgtcgccag ctaccgggtt 180
tccaaaagct cctggctaga ggaagatgat gacctgttg tggcccagat aaatcgtcgg 240
atgcagcata tcacagggtt aacagttaaag actgcagaat tgttacaggt tgcaaattat 300
ggagtgggag gacagtatga accgcacttc gacttctcta ggaatgatga gcgagatact 360
ttcaagcatt tagggacggg gaatcgtgtg gctactttct taaactacat gagtgatgta 420
gaagctggtg gtgccaccgt cttccctgat ctgggg 456
```

<210> 1377

<211> 397

<212> DNA

<213> Homo sapiens

<400> 1377

```
ctgttaaaga ttcccaaag catctgagac accatctggg gtgcagcaca acagaagacg 60
tttaagatgg gaccagaaag aagaatgtat agctcttctc taaataaacg aatgggtctgc 120
cccaagcctt caggaaggag aatgggtctat ggtgactggg gaaagttctc ttggccctcc 180
cagcactctg atgtcagagt agtaggttaa gggtggaagg ttgacctact tggatcttgg 240
catgcacca cctaaccac tttctcaaga acaagaacct agaatgaata tccaagcacc 300
tcgagctatg caacctctgt tcttgtatct cttatgatct ctgatgggtt cttctcgaaa 360
atgccaaagt gaagactttg tggcatgctc cagatctt 397
```

<210> 1378

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1378

```
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgaacg agccctctat gggcccgaat 120
cttcttcagt cgctccaggc cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatctt ccattcctta catcctctct tctgttcaag aaccagtctg ggatcttcta 240
ctggcgtgga ttctgcataa tggatgatcac acgttccacc tcattcctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cct 333
```

<210> 1379

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 31, 43, 53, 60, 73, 123, 139, 144, 152, 169, 246, 311, 316,
334, 337, 354, 373, 418

<223> n = A,T,C or G

<400> 1379

```
tttttttttt tttttttttt tttttttttt naaagcaaat ttnttttaat ganaactcan 60
aattaaactt canagggacc caacgtcata cttccattca gggacttgat acaaaaaatt 120
```

tantttgaac tgctattanc aggnnggcagg anccaccttc aaatgaatnt tcaaattgga 180
 aaatactgct tcaccacctg ttgggggataa gttgcaaag gaataattta gtatggtttg 240
 tagctntttt gatgaccacc tcgcctggat accttcccat aaccactctg ctggtcacca 300
 ccttttccac nagctnttcc tgcaaatcct cctntanac cccactgttg ctgntgctga 360
 tattgttctt tcnacatggc tacttttatt tcacatttac taaaaccaac attggggnat 420
 ttcttttcca ttatcttctt cactggttct tcttccttaa agg 463

<210> 1380

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1380

cctgtgccgg gccccagggc tggcagccac cagctcctct tccaggcatg ggggacaccc 60
 tgacaggatc cggaagtctc catttaccca aaaatgcaag agccatgac agtcatggcg 120
 aactgcagg cggtactgag tgaccatgtc cagtccggct ccgtccctcc cacacggggg 180
 acaagcttct ccgaggagg 199

<210> 1381

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1381

aaagtagaga taatttactg aagcgtctct gacaatctaa cttattagac agcaagcaat 60
 atataatact gaaaaagtat tcagaaatgg aaaatttaca tcatataggt tatttaactt 120
 gtgttcagcc tttttgtaac ttttttgaaa gtgcaaacaa ttctttggat tattaataa 180
 ggtatacagt atgcatgggt tctcaaattt agcttt 216

<210> 1382

<211> 466

<212> DNA

<213> Homo sapiens

<400> 1382

ctggaggccg aggagcaggg gaagcagaag aagcggcaga gtgtgtcggg cctgcacaga 60
 taccttcact tgctggatgg aaatgaaaat taccctgtgc ttgtggatgc agacgggtgat 120
 gtgatttcct tcccaccaat aaccaacagt gagaagacaa aggttaagaa aacgacttct 180
 gatttgtttt tggaagtaac aagtgccacc agtctgcaga tttgcaagga tgtcatggat 240
 gccctcattc tgaaaatggc agaaatgaaa aagtacactt tagaaaataa agaggaagga 300
 tcaactctcag atactgaagc cgatgcagtc tctggacaac ttccagatcc cacaacgaat 360
 cccagtgtctg gaaaggacgg gccctccctt ctggtggtgg agcagggtccg ggtggtggat 420
 ctggaaggga gcctgaaggt ggtgtaccg tccaaggccg acctgg 466

<210> 1383

<211> 92

<212> DNA

<213> Homo sapiens

<400> 1383

aaaaaagtga catttgcttt attactattg gcagggtggg cctgcatgag gtgggttagtg 60
 tgctcagggg atgggtgggc tgtggagatg at 92

<210> 1384

<211> 150
 <212> DNA
 <213> Homo sapiens

<400> 1384
 ctgtcctgag ctaacactaa aagtcactgg gtatttgggt aaaggtctcc cacaagactg 60
 gtattctctt tgcctgaaga aacaaggcat tgaatctcta aaatgctggt ctcaatcatt 120
 gtcagagatg ttttcagttg cagtcagaag 150

<210> 1385
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 1385
 ctgttttctt caaaatctct ggattctcca atatgggata gcgggtcttt aagtcgatga 60
 ggaagccctc aaatggctct taaggattgt ggacaataag gtggaaatta agttgctgta 120
 taagaagtag ttcataattcc agtatctggt caagtgcctt ctctgtcca agaggactct 180
 cccggaggtt tccaacaaac tgaggactag atacattgaa ttcattctact ttgcaggcca 240
 aaaatgcaca agtgagcatt attatcctgg ggtgatattc cattieactgag ttattaagat 300
 aaaaacgttt gaaatacata caagccgtac ccacaacaga tcttggcatt gctggcttaa 360
 acaccgaaca gaattccaat aaccttttct catagtattt gcagagtgtc atttcttcat 420
 gaggctcaag aaagactgga tcattcggaa gaaccttccc gttgg 465

<210> 1386
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 1386
 ccagtttgtt ctaggatgca ttgcatcaga catcacagta catgaagaaa atctgctttt 60
 tgtgaaaagc caccaggcat tttagatccc gtttaccatg aagtcagac acagcagata 120
 ccagataat acagtcagt caaaagtcaa atgagtaagt cagctctttg atgaggctgg 180
 ctacactgca aaatataaat gaaactcgaa aatagaaggt aaggtctatt tacaaaagtt 240
 tgttttagtaa agtgacttga aaaaagtgtg taaccacttc ccaggcatcc ctcccctctc 300
 ccacaaaaac aaacaaacaa aaaacaacaa caacaaaaac cctgaaaatt atcttgaaag 360
 tcaagttaaa actatgtggt gaaaaagaga gtgcttgttc caggtaaagg acttcaagat 420
 aatttacagg cagatttatt tttattagta aaagtcacaa ataggaaaag acttattggc 480
 tgactttgag ctgtgtgctt tt 502

<210> 1387
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 1387
 ctggacagat ccccttccca cctgccagca ctcaagagcc actacacctt ggaggtgctc 60
 cagccaattt gacgacactg aggatccctg tgtggaaatc attctttggc tgtctgagga 120
 atattcatgt caatcacatc cctgtccctg tctactgaagc cttggaagtc caggggcctg 180
 tcagtctgaa tggttgtcct gaccagtaac ccaagcctat ttcacagcaa ggaaattcac 240
 cttcaaaagc actgattacc caatgcacct cctccccag ctcgagatca ttcttcaatt 300
 aggacacaaa ccagacaggt ttaatagcga atctaatttt gaattctgac catggatacc 360
 catcactttg gcattcagt ctacatgtgt attttatata aaaatcccat ttcttgaaaga 420
 taaaaaaatt gttattcaaa ttgttatgca cagaatgttt ttggtaatat taatttccac 480

taaaaaatta aatgtctttt aagaaacatt cttttccact tgttaaaaaa atta 534

<210> 1388

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1388

```
ccactagagg tctgtgtgcc attgccagg cagagtctct gogttacaaa ctcctaggag 60
ggcttgctgt gcgaggggcc tgctatgggt tgctgcgggt catcatggag agtggggcca 120
aaggctgcga ggttggtgtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgatc cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
gggacccaac tgtaagatt ggcctaaga agccctgcc tgaccacgtg agcattgtgg 360
aaccctaaaga tgagatactg cccaccaccc ccatctcaga acagaagggt ggggaagccag 420
agccgcctgc catgccccag ccagtcccca cagcataaca ggggtctcctt ggcag 475
```

<210> 1389

<211> 399

<212> DNA

<213> Homo sapiens

<400> 1389

```
cggaaaatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagagggcgg gagaactcac tgaggatgag 120
gcggaacgtg tgatcccat tatgcagaat ccacgccagt acaagatccc agactgggtc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtcctagc caatgggtctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttcggggcca tagagggctg 300
cgtcacttct ggggccttcg tgtccgaggc cagcacacca agaccactgg ccgccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399
```

<210> 1390

<211> 372

<212> DNA

<213> Homo sapiens

<400> 1390

```
ccactaacag acctgatact ttggatccag cactgatgag gccagggaga ttggatagaa 60
aaattgaatt tagcttgccc gatctagagg gtcggaccca catatttaag attcacgctc 120
gttcaatgag tgttgaaaga gatatcagat ttgaactgtt agcacgactg tgtccaaata 180
gcaactggtgc tgagattaga agcgtctgca cagaggctgg tatgtttgcc atcagagcac 240
ggcgaaaaat tgctaccgag aaggatttct tggaaagctgt aaataaggtc attaatgtctt 300
atgccaaatt cagtgtact cctcgttaca tgacatacaa ctgaaccctg aaggctttca 360
agtgaaaaact tt 372
```

<210> 1391

<211> 466

<212> DNA

<213> Homo sapiens

<400> 1391

```
ctgggtcacct tacgcaagag ccaggctgaa acatcccctc catactcagc tctttaactt 60
ttcttttccct ttttcatcgg gctctttcct aaaaagctga gctgtaaaat attttacatc 120
gaggtataat aaataatcat gtacatgttt taccaccacc caggtcaaga catagaatgt 180
```

```

ttcaacattt ccatcacccc agaaactccc cttgtacccc cttccacttc gtctccccta 240
gctcctagaa gcaaccactg atgtgatttc taccaaatacc agtttttggtc ctactaaata 300
tactcttttg agactggcct cttttactca ccataatgcc tttgtaattc atccatgctg 360
ttgtgtgtat cagtagtttg ttccttttca ttgtgagta gtattctatt gtagagatgt 420
accacagttt gtttattctt ctgttgatgg acgtttgggt tgtttc 466

```

<210> 1392

<211> 156

<212> DNA

<213> Homo sapiens

<400> 1392

```

aaagtcgttt tgggaactgt gatgtgatgt ggaaatactg atgtttccag taagggaata 60
ttggtgagct gcataataaa atttgacaga tagctattta catagccttc taagtaaagg 120
caatgaattc tccatttcct actggaggat ttattt 156

```

<210> 1393

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 27, 56, 343

<223> n = A,T,C or G

<400> 1393

```

tttttttttt tttttttttt gaagcanaag gaactcttta ttggaaagtg gatganagag 60
gcagctccag ccgtgggcat cctgaatggg aggaagaatg gacagtgtgg gaaggggaag 120
ggcagcaggg acttaggacc agatggggcc tgtagctctg gggacggcac aggtgcagca 180
aggaccggct cctctcact ggggaacgaa acaggccatc ccgcaagagc cttcacagca 240
cttcttgatt cctgggcagt cagtatcttt caagcagcgg ttagggggat tcaacatggc 300
gcaccggatc aagataatgg ggcaggagcc aggcttagtg ganactggac ctttgactgg 360
ctcttgcgct ttgactttat ctgcaccttt aactgaaact tgccttttaa cgggatcttg 420
tccattgaat ggaacacggc ctttgacagt gtcttgacct ttaacaggaa ctcccgtgac 480

```

<210> 1394

<211> 487

<212> DNA

<213> Homo sapiens

<400> 1394

```

cctctgtcct ccctcttctc aaagtccecat gattctgtca aggtaatatt gccaataatc 60
attcacattt cacgtggttt tagacacgca ggttattcag acagacacag acaacaaaac 120
aagcctcaaa gccagaacaa aacaaaacaa aacaaaatcg aacataggta taaaaggtaa 180
aatatatgta caaagtacac agtacgtgag gtatacacgg cattctcaca atgcatgtta 240
gtagtttgcc taggcatagc ccttaaagat gactgcctgt ttttggtcca tttctcaaaa 300
tacagtatat tttgtttacc cgtttaacca cctgatttca gcaactgtcca agacagttac 360
tgatatttca tctgaatttg ttttttaatg aaagttgcaa tttctccatt aagctccatc 420
ttttgtaggg gagtgagttt ccatctctgg acatatctaa cagaggctgg attcccacct 480
acaaaag

```

<210> 1395

<211> 256
 <212> DNA
 <213> Homo sapiens

<400> 1395
 ctgaaaagca acaacaaaaag ggtttggttg caacagccag tgtgggtacc tctggggaga 60
 gaggacctcc tctgacaaac tgggtctgga cccaccatgt gccaggatcc accctggcct 120
 ctttttacc actgactccc cagaacaacc ctccaggt tctcttgta tctttctctg 180
 cctgagggga aactgaagct ctgaaatgcg atgtgatctg taccaggtca cccagctatg 240
 ctgcaaagtg ggttgg 256

<210> 1396
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 536
 <223> n = A,T,C or G

<400> 1396
 aaagcaaaag agacatcctt taataactgt ataaaatcca ggcagttcca tttaaaggggt 60
 taagaaaacc aacaacaaca aaaagcgagg gactgtctgt tgtcactgtc aaaaaggcac 120
 ttggagttaa tgggaccagg attgggggac tcttagctga tacagatttc agtacgattt 180
 cattaaaagg cttggatggt aagagaggac actcagcggg tcctgaaggg agacgctgag 240
 atggaccgct gagaagcggg acagatgaac acaaaggaat caaatcttta caaccaaatt 300
 gcattttaagc gacaacaaaa aaaggcaaac cccaaaacgc aacctaacca aagcaaaatc 360
 taagcaaaat cagacaacga agcagcgatg catagctttc ctttgagaga acgcatacct 420
 tgagacgcta cgtgccaaac taagttctca acgacagctt cacagtagga ttattgtgat 480
 aaaaatgact caagcgatgc aaaaagtttc atctgttccc agaatccgag ggaganctga 540
 ggtgatcggt agagcatagc gaca 564

<210> 1397
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 238, 266
 <223> n = A,T,C or G

<400> 1397
 ccttggtgca ttcatgattc ttttcacaag cacctggatc ttttcctaag gataaaaaga 60
 ggcacaagga gacaaaaggc tttggaggga aagaaaatat cttgttggtga ccatgtgctg 120
 ttctgaaaca agaaggaaaa gcatgtgggc attgaatggc tgcgatcaaa gaccgcatgg 180
 tgacagcacc ctggaaagac gatgtcactt ccacgaggac acctgcccgg gcggtcgncc 240
 gggcaggtct ggtaggggag gccganacac caccctgga gtgatggagg aggaggatgt 300
 cattg 305

<210> 1398
 <211> 304
 <212> DNA

<213> Homo sapiens

<400> 1398

```
ccaagggaga tgttacagcc cagatagctc ttcagcctgc actgaagtgc aatgggtggtg 60
gtcatatcaa tcatagcatt ttctggacaa acctcagccc taacgggtggt ggagaaccca 120
aaggggagtt gctggaagcc atcaaactgt actttggttc ctttgacaag ttttaaggaga 180
agctgacggc tgcactctgtt ggtgtccaag gctcaggttg gggttggctt ggtttcaata 240
aggaacgggg acacttacia attgctgctt gtccaaatca ggatccactg caaggaacaa 300
cagg                                             304
```

<210> 1399

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 449

<223> n = A,T,C or G

<400> 1399

```
aaatgtttgt gtgggtgggc tgtgtagtta ctccccatac aacaaagctg aaaaaatttt 60
taatttacac aatgtattct gcattttcaa atgtttatgt tgtgtatata gcaaagaaat 120
tatcttactg atatgcgttg accaaatccc atggagaaaa gacatctcat ttgaggttcc 180
ccttcctctc atgtgtttga ttttttgaa ggtgatacag tatgtgggta accatgcaaa 240
tgtttatgaa taactttact gaagtgttc catccgtatt ctgttctaata acttgagaa 300
tgacctcat atttatatat ttttttctt tgtttcaact atccagtgt aattcaggaa 360
atgtttcctt tttttttttt ttacaaaaac tttttatttg taaaatgttt gtaataatgt 420
aaaggtgaac atgttcaata aaaatcatnt attaaaagtt 460
```

<210> 1400

<211> 469

<212> DNA

<213> Homo sapiens

<400> 1400

```
cctggctggg cctccaotgt tgaggtcac atggtgcttc cgctttattc tgattaactt 60
ttggttacac acattgaaaa atgacctaa agagttgttt tgagtggcgc tttttctcat 120
tgtacagctc ctgctagcag ttactgcaa cactgatttc tctggaacct ctgagtttcc 180
agtcatcatt agggctgtta ctagcaagga cctacaagcc agcctcaaaa tgtgagaggg 240
ctgcgcagag tcttctgtg gttagctgcc acagtgccca gggaccatct tccctctcct 300
cctccccac tgcagctcc tgttcagcc gcatcagttc ctcatgtgag agatcttctt 360
catgggactg cagcaactgg tccacagcag cctcagcaac ctcttcaaag gccacatttc 420
tggcaagggg cacaatgttt ttttgaagct gtgcaatgtt atctgcctg 469
```

<210> 1401

<211> 372

<212> DNA

<213> Homo sapiens

<400> 1401

```
ctgggaagtc tgtgccccca tcttctgcc aggtatatctg gggggctggg tgccccacag 60
cagcacactc caagcgtgcc atggccccag ctcggtatggt gagatccatg ggggtcttgg 120
tgaatgaggg aagcatattt actgtaagct tggctttgac agagtaggat gaaccaaagt 180
```

gattggagat gacacactga ttttcccct cactggcaaa ttccacctcg cgcagccgaa 240
 ggatgggtgt atactccatc acctcgccac cttggggcccg gaggtgtgca taattttcca 300
 tttcagcatc atgcagtagt tcattgtctt ttttccaagc aaaagtcatt ggggaatcac 360
 tgctgctggc ag 372

<210> 1402

<211> 542

<212> DNA

<213> Homo sapiens

<400> 1402

gaacaattgt ctctggacgg cagctatgcg actcaccgtg ctgtgtgctg tgtgcctgct 60
 gcctggcagc ctggccctgc cgtgcctca ggaggcggga ggcattgagt agctacagt 120
 ggaacaggct caggactatc tcaagagatt ttatctctat gactcagaaa caaaaaatgc 180
 caacagttta gaagccaaac tcaaggagat gcaaaaattc tttggcctac ctataactgg 240
 aatgttaaac tcccgcgtca tagaaataat gcagaagccc agatgtggag tgccagatgt 300
 tgcagaatac tcactatttc caaatagccc aaaatggact tccaaagtgg tcacctacag 360
 gatcgtatca tatactcgag acttaccgca tattacagtg gatcgattag tgtcaaaggc 420
 tttaaacatg tggggcaaag agatccccct gcatttcagg aaagttgtat ggggaactgc 480
 tgacatcatg attggctttg cgcgaggagc tcatggggac tectacccat ttgatgggccc 540
 ag 542

<210> 1403

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1403

ccttattttct cttgtccttt cgtacaagga ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cgttggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
 ctccgagggt gggttctgct ccgaggctgc cccaaccgaa atttttaatg caggtttggt 360
 agtttaggac ctgtgggttt gttagggtact gtttgcatta ataaattaaa gctccatagg 420
 gtcttctcgt cttgctgtgt catgcccgc tcttcacggg cagggtcaatt tcactgggta 480
 aaagtaagag acagac 496

<210> 1404

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1404

ctggctcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
 tccatctttg aatacagaat tcaggggagc caggagggtc aaccgctcac ttccagagag 120
 atgattgccg aggcgggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
 agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa tgtagtggat 240
 caccocggtg gtggctagga tgtctttatt ggagatgata gccttcccgt tgatagttag 300
 catgtccccg ctgcagccca cctccagtgt cgtgccctcc agggctctta cagacagccc 360
 cgcaacgatg gcttcagcac acatagctga cttcaagatg tggttgttca gcaggtctct 420
 cagggcttct gggctcgcca ggatacgggt caaagtctca ctagggatct tctcgaagg 479

<210> 1405

<211> 362
 <212> DNA
 <213> Homo sapiens

<400> 1405
 aaatggagct tcctcgaacc ttttaattga agcctagctt caatgttgaa tgaggaagca 60
 aagtatctca ttaaaaagtt ggtctgcaaa gcacaaagct ggcttgcaag gggacttgaa 120
 ggaagcaggc tgagtgtttg agtagtgaga tctttgcttt gctctttaga tccttcagta 180
 agctaaggtc cttttacctg aatggatgta atttagccta gttttcccat aaaataatgt 240
 aatggataat tcttattgac tagggattac acttcatgtg aaattcctca gtgacattca 300
 gattaattcc agtgtccaca atttaagcaa ctttccatag gaaattaaaa tcccaaattcc 360
 aa 362

<210> 1406
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 1406
 ctgccagtgg tgagacatgg ccttcaggag ctcagggtggc tttttaactg caccatgaag 60
 attccaaact tgggtggagtt cagtgtccac acataacgaa tgagaatagg tgtcagcagt 120
 gtcaaccagg tccgcaaagg ggagaataaa aaagctaggg tgccgtatgt tgcataaaga 180
 aagtagcagg aataaacctg ccagatgtac agcagtagca taagtaggtg aacaggcata 240
 attttcaagt attttctttg atggagatga gacctgaagt tgtgaccaa gc 292

<210> 1407
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 1407
 ctgacattcg cgttttacgg gggcaccagc tctctatcac atgtttgggc gtcacccccg 60
 atgactcagc catcttctct gctgccaaag actgcagcat cattaagtgg agcgtggaga 120
 gtggacggaa gctgcatgtg attcctcgag ccaagaaggg tgccgaggga aagccccctg 180
 g 181

<210> 1408
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 1408
 gagcggaggt ggtggcggcg gaggcctttg cagctcggga ctgagtgcaa gaatcagcat 60
 gattcttcag aggcctcttca ggttctcctc tgtcattcgg tcagctgtct cagtccattt 120
 gcggaggaac attggtgtta cagcagtggc atttaataag gaacttgatc ctatacagaa 180
 actctttgtg gacaagatta gagaatacaa atctaagcga cagacatctg gaggacctgt 240
 tgatgctagt tcagagtatc agcaagagct ggagagggag ctttttaagc tcaagcaaatt 300
 gtttgtaaat gcagacatga atacatttcc caccttcaaa tttgaagatc ccaaatttga 360
 agtcatcgaa aaaccccagg 380

<210> 1409
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 1409

```

ccagtataat gctatTTTTa agactataca gtatgtacgt gcacacacac acactgtcat 60
gtgcacagaa acatacaatg tgtattctta tcatcaatgg tccaatttaa tgaatcacac 120
agattgaaag ggttcaagtc ttaaagaagt tatgagcacc atagctgggtg ctcagactgt 180
gcatgtatct ttggatcaat gagttgttga aagtctgctg ggtgcagtaa agtacagaat 240
acagaacatc aatgtttaat gttaatacgg taggcaaaga gaccagtcga gtttcctggg 300
ttgctttact ggacggctga tgaactaggt actctgttca cttggtaaata tctcagaagc 360
cagattgact ctctatgtat cttgttttat caggattgtt tgcatagctt gctaaaaggc 420
acctaagcag cagcatcatc tctatgtctt cagtaaattg tggaacattt ctaaaatact 480
cctggaagca gagacagtgt ggtccttt 508

```

<210> 1410

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1410

```

aaatgttcta ttacagcatt atgcttcatc accacctgtt tctgaatgat ttcactttga 60
ttagaagctt ggaggggtg ttcacgccta atttctatct gttgctgttt cttcttttgc 120
tgctgatccc tgagttgctg aaccttttgc aactgctctt gcacactggc tgcctgcact 180
gtaaccacat tctgaatctg gtgagctctg acagcactgc tttgctgaat ttggataggt 240
aactggagtt tgatttgcgt gggcacacca ctttgcgtgag cctgtatctg agccacaacc 300
tgtgactgga tctgagagag aacctggact tgttgttgca g 341

```

<210> 1411

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1411

```

ccaggtttta gatattaacc tggctgcaga gccaaaagtg aaccgaggaa aagcaggtgt 60
gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg actttcaacg 120
ggactattat gataggatgt acagttaccc agcagctgta cctcctctc ctcctattgc 180
tcgggctgta gtgcctcoga aacgtcaacg tgtatcagga aacacttcac gaaggggcaa 240
aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa agttgaaagg 300
agatgacctt caggccatta agaaggagct gaccagata aaacaaaaag tggattctct 360
cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
gatggagctt gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
tgataatgaa gatcgggggg atgacc 566

```

<210> 1412

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1412

```

ctggggccgc ttagccacc aggcattgagg ccaagggctc cactgaccag gaggcagagg 60
tctctaactc ttatcttcca cagggtccaa gagttcatca ggacccccaa gagtgagtga 120
gggggcaagg ctctggcaca aaacctctc ctcccaggca ctcatattata ttgctctgaa 180
agagctttcc aaagtattt 199

```

<210> 1413


```

cttgaataca agtttctgat accactgcac tgtctgagaa tttccaaaac tttaatgaac 420
taactgacag cttcatgaaa ctgtccacca agatcaagca gagaaaataa ttaatttcat 480
gggactaaat gaactaatga ggataaatatt ttcataattt tttat 525

```

<210> 1417

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1417

```

gttgaaagt tgaacagtga atgaagttca catctggaaa tcgttgaaca tttttcgttc 60
atggaactca atggctacgt tagtcgttta tgcttttcac tgttgtggta ggggctttgg 120
aagtaaagtc catcaacaat ggatacagaa gacctggatt tggaataagg gcaaaattta 180
tttgatgggg ctgaattgct ctgccaggag catttgggtg gagatgaaat ggcctctctt 240
gagactgagc tgccaacctg gcaattattg tctgctaagg gttctcttta ttcaccctta 300
cttggaactt ctttctctga gggaaatctc cgtaaaatga aatcttccct cccccagggt 360
gtccgcaatg ttgccagtgt ctgtctgcag attggctacc caactgttgc atcagtaccc 420
cattctatca tcaacgggta caaacgagtc ctggccttgt ctgtggagac ggattacacc 480
ttcccacttg ctgaaaaggt caagg 505

```

<210> 1418

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 463

<223> n = A,T,C or G

<400> 1418

```

gccgaggaaa accgcgtact attagccatg gtcaccccca ccgtgttctt cgacattgcc 60
gtcgacggcg agcccttggg ccgcgtctcc tttgagctgt ttgcagacaa ggtcccaaag 120
acagcagaaa attttcgtgc tctgagcact ggagagaaaag gatttgggta taagggttcc 180
tgctttcaca gaattattcc aggggtcatg tgtcaggggtg gtgacttcac acgccataat 240
ggcactgggtg gcaagtccat ctatggggag aaatttgaag atgagaactt catcctaaag 300
catacgggtc ctggcatctt gtccatggca aatgctggac ccaacacaaa tggttcccag 360
tttttcatct gcaactgccaa gactgagtgg ttggatggca agcatgtggt gtttggcaaa 420
gtgaaagaag gcatgaatat tgtggaggcc atggagcgtt ttngggtcca ggaatggcaa 480
gaccagcaag aagatcacca ttg 503

```

<210> 1419

<211> 360

<212> DNA

<213> Homo sapiens

<400> 1419

```

aaaaacctgt acacagtgtt tattgtgggt aggaagcaat ttcccaatgt acctataaga 60
aatgtgcata aagccagcct gaccaacatg gtgaaacccc atctgtacta aacataaaaa 120
aattagcctg gcatggtggt gtacgcctgt aatcccagtg acttgggagg ctgaggcagg 180
agaatcgctt gaacccggga ggccggaggt gcagtgaagt aagatcgcg cactgtactc 240
cagcctgggc aacagcgaga ctccatctca aaaaaaagga aatgtgtatc aagaacatga 300
ttatccaggg gtattttcta attcagatca tcaaactgat tatatagaag agttggcttt 360

```

<210> 1420
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 1420
 ccaagaagct agggctgctg gtcttccctt acacacacca gaactgggaa gtgcagtaca 60
 gtcgtgatgc tcctctgccc ccccggaag acctcaacgc ccttgacctc tatatcccca 120
 cgatggcctt cattacttac gtgctcctgg ctgggatggc actgggcatt cagaaaaggt 180
 tctccccgga ggtgctgggc ctgtgtgcaa gcacagcgct ggtgtgggtg gtgatggagg 240
 tgctggccct gtcctgggc ctctacctgg 270

<210> 1421
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 1421
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgtcgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tgggaagatac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcttgccag caaagattat 420
 ttacttcaag agttaagagt ggcagtttgg ggatagcacc aagagat 467

<210> 1422
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 487, 555
 <223> n = A,T,C or G

<400> 1422
 ctgccgtctt aaagcagatg tgcgcaacag tgtacaggca cacctgccat agcaaattcc 60
 taggatacct cagtcctcca tgttggtatg cttttctttt caacaatgtg gaaaatgcag 120
 tttaaccaaga agcttttttg gttttccttt taaggtatta cttcaaaaaa gcaagcgatg 180
 agtttgccctg tggagcggtg tttgaggaga tctgggagga tgagacggtg ctcccgatgt 240
 atgaaggccg gattctgggc aaagtggagc ggatcgattg agccctgggg tctggctttg 300
 gtgaactgtt ggagcccgaa gctcttgtga actgtcttgg ctgtgagcaa ctgcgacaaa 360
 acattttgaa ggaaaattaa accaatgaag aagacaaagt ctaaggaaga atcgccagt 420
 gggccttcgg gagggcgggg ggagggtgat tttcatgatt catgagctgg gtactgactg 480
 agataangaa agcctgaact atttattaaa aacatgacca ctcttggcta ttgaagatgc 540
 tatittgagag actgncatac ataatatatg acttcctagg gatct 585

<210> 1423
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 1423
 tgggatacctc aaggtgcctg ccatcaatgt caatgactcc gtcaccaaga gcaagtttga 60
 caacctctat ggctgccggg agtccctcat agatggcacc aagcggggcca cagatgtgat 120
 gattgccggc aaggtagcgg tggtagcagg ctatggtgat gtgggcaagg gctgtgcca 180
 ggccctgcgg ggtttcggag cccgcgtcat catcacccag attgacccca tcaacgcact 240
 gcaggctgcc atggagggct atgaggtgac caccatggat gagg 284

<210> 1424

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1424
 ctggatcact tcccgcagtc cttgggcagc gctttgctgt ggaacacgag agctcctcct 60
 caggggcctg gcactcacct tctattctgt atgatgtatt tggttaaaca ctgtcaaata 120
 atagagatgt gccagattta gattttctta ccctaactctg tttaatattg taactttatt 180
 ccatttgaag gtgtcaagcc cattcagata agctataatc tggctcttaa ggaacacaac 240
 ttt 243

<210> 1425

<211> 132

<212> DNA

<213> Homo sapiens

<400> 1425
 ctaagaccta cagctacctg acccccgacc tctggaagga gactgtattc accaagtctc 60
 cctatcagga gttcactgac caccctcgta agaccacac cagagtctcc gtgcagcgga 120
 ctcaggctcc ag 132

<210> 1426

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1426
 cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60
 tcaaacctgc cggggcttct cccgcctttt ttcccgccgg cgggagaagt agattgaagc 120
 cagttgatta ggggtgcttag ctgttaacta agtgtttggt ggtttaagtc ccattggtct 180
 agtaagggtc tagcttaatt aaagtggctg atttgcgttc ag 222

<210> 1427

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1427
 ccagagggaa gtggatgcgg ggatagggca ccagggttgg ccggaattct gtcagggtcaa 60
 cattcagggc tccatcaaatt ctcagggaag cagtgtatga ggacacaatt tgacctatta 120
 acctattcag gttagtatag gttggacgct caatatcgag gtttctacga cagatgtcat 180
 agatggcctc attgtctacc atgaaggcac aatcagagtg ctccagggtg gtgtgggtgg 240
 tgaggatgga gttgttagggc tcaactacag 270

<210> 1428


```

ggatctgctg catctgcttg gagccacat tgtctgctcc cacaatgaaa catttcggat 240
aatcatccaa tagttggatg atcttaagga agtagttgga cttccagggtc gccctgtctt 300
ccctgggcat cacggcgggtg cgtcagggat tgccacgcag ggtttaaaga cgatgtcact 360
tccacgagga c 371

```

<210> 1433

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1433

```

ctctcagctc tcggcgcacg gccagcttc cttcaaaatg tctactgttc acgaaatcct 60
gtgcaagctc agcttggagg gtgatcactc tacaccccca agtgcataatg ggtctgtcaa 120
agcctatact aactttgatg ctgagcggga tgctttgaac attgaaacag ccatcaagac 180
caaagggtgtg gatgaggtca ccattgtcaa ctttttgacc aaccgcagca atgcacagag 240
acaggatatt gccttcgcct accagagaag gacccaaaag gaacttgcac cagcactgaa 300
gtcagcctta tctgg 315

```

<210> 1434

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 359, 360

<223> n = A,T,C or G

<400> 1434

```

aaaataaagg ataaattcta agtaagtcac taagctaagg aaaaagcagt gatactagta 60
agccttaata ttatactaag gaattgaccc acttggagtt ggacactaat tagtgctgag 120
aggtttgtaa attactttaa taactccttt ctgtttgggg gtgtatgctt tttccatacc 180
tatctttcac atgtttttta caacatcttc taagtggtaa taatgagcat atctcttacc 240
acagagcaaa ttagttatac ttaaggggaa gtcacaacca acacggtagt catctgactt 300
tctattaaga aagatcttct gactgcaact tgaaaacatc tctgacaatg attgagaann 360
gcattttaga gattcaatgc cttgtttctt caggcaaaga gaataccagt cttgtgggag 420
acctttaacc aaatacccag tgacttttag tgttagctca ggacag 466

```

<210> 1435

<211> 328

<212> DNA

<213> Homo sapiens

<400> 1435

```

cccacggact cctgggtctga gcccaataaa gactgttaat tcctcatgag ttgcctgccc 60
ttcctccatt gttgccttgg aatgtaeggg acccaggggc agcagcagtc caggtgccac 120
aggcagccct gggacatagg aagctggggg caaggaaagg gtcttagtca ctgcctcccc 180
aagttgcttg aaagcactcg gagaattgtg cagggtgtcat ttatctatga ccaataggaa 240
gagcaaccag ttactatgag tgaaagggag ccagaagact gattggaggg ccctatcttg 300
tgagtggggc atctgttgga ctttccac 328

```

<210> 1436

<211> 181

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 30, 66, 94

<223> n = A,T,C or G

<400> 1436

```

tttttttttt tttttttttt ttttttttgn aaagcgctga tctgttttat ttggcaggaa 60
aacganacaa tccagcagcc caggagggagc agngggactt aatcctcctc ctgcctgtct 120
ccagccccag cccaccctg gcccttcttg gcattcttcc tcttcacgcg gcccgggcgg 180
c
181

```

<210> 1437

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 430

<223> n = A,T,C or G

<400> 1437

```

ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctoaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atactgccat tgttgatatg gttoctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaag gctgctggag ctggcaaggt caccaagtct gccagaaaa 360
ctcagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggt 420
gaagaacggn ctcagaactg tttgtttcaa ttgg
454

```

<210> 1438

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 386, 388, 418

<223> n = A,T,C or G

<400> 1438

```

aaagaatcag caaaatttca aataaaaaaat tatgaaaata ttatcctcat tagttcattt 60
agtcccatga aattaattat tttctctgct tgatcttggc ggacagtttc atgaagctgt 120
cagttagttc attaaagttt tggaaattct cagacagtgc agtggatatca gaaacttgta 180
ttcaagagta caggtcagag tcttcttttc ttttcttttc gagatggagt cttgctctgt 240
tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
aagcgattct cctgcctcag cctcccagat aactgggact acaggtgcgc gccaccaagc 360
ccagctcatt tttgtatttt tagtananat ggggtttcac gatgttggct aggatggnct 420
cgatctctg
429

```

<210> 1439

<211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 406, 422, 436
 <223> n = A,T,C or G

<400> 1439
 attccgtcct ggcggttgt tctctggagc agcgttcttt tatctccgtc cgccttctct 60
 cctacctaag tgcgtgccgc caccgatgg aagattcgat ggacatggac atgagcccc 120
 tgaggcccca gaactatctt ttcggttgtg aactaaaggc cgacaaagat taccacttta 180
 aggtggataa tgatgaaaat gagcaccagt tatctttaag aacggtcagt ttaggggctg 240
 gtgcaaagga tgagttgcac attgttgaag cagaggcaat gaattacgaa ggcagtccaa 300
 ttaaagtaac actggcaact ttgaaaatgt ctgtacagcc aacggtttcc cttgggggct 360
 ttgaaataac accaccagtg gtcttaaggg ttgaagtgtg gttcanggcc agtgcattat 420
 antggacagc acttantagc tgttgag 447

<210> 1440
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 1440
 aaatgcattt tattttttaga caacctacat gacatgtttt tcttaaaaac aatgcctcca 60
 ctccaaataa atcacagtca aaataaatga agagctcaag atgacatcag tcccatttgt 120
 cttaagtcct ggtgttgtgt ggatgacaag cagaagccag ttatgatgac aggtgataga 180
 tccaaaataa ttgccacatt tgttaacatt tttccatttc taaaccatcc ttaaagaaaa 240
 tcatatatgg ggtcacacca tctcacggg agtccaatag agcaaccatg ccattctggat 300
 tcatgttttc accaataaag aactggtagt ttttgaaatt agcaaggatg tgcttgattt 360
 gttctgcagc cctgtcata aaagggttta ctctttctgg tctctgttct tcaagtttcc 420

<210> 1441
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 1441
 cctcaatcac aactttgtca gcagcagaac cggagggagc cgcaatgtac gccacaccac 60
 tccttttagc tctgtctacg ttatctcgga aagggaagaa ggcacacag ctgatagaaa 120
 cttcagtcag tttctcaacc cattccttct tctctgcctc agtgagtaac tcagggactt 180
 cctcaaacag tgccttccac tttatcaaat cttcatcctc gccaatgggt ccagtcacat 240
 attgatcgat ggcattggag atttctgctc tcttcaactc tgtttt 286

<210> 1442
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 1442
 ctggcatttt ggcagatgca tagagacatc tgagaccctc agaaaggaag gataatccaa 60
 gaatatagga aatctgtgtt ctcttctctt cattttatcc ctt 103

ttgaggggct aagaaaaatg tatggncagt gaaacacagt agtgtaccct taaatgcctt 360
ataaaaganc atccatccag tctgcgcttt 390

<210> 1446
<211> 432
<212> DNA
<213> Homo sapiens

<400> 1446
cctgagcgaa gccacaaacc ccgcccggga catgtgaaag taaacaaaac ctgaaagcaa 60
gcaacaaaac atacactttg tcagagaaga aaaaaatgcc ttaactataa aaagcggaga 120
aatggaaaca tatcactcaa gggggatgct gtggaaacct ggcttattct tctaaagcca 180
ccagcaaatt gtgcctaagc gaaatatttt ttttaaggaa aataaaaaaca ttagttacaa 240
gatTTTTTTT ttcttaaatg agatgaaaat tagcaaggat gctgcctttg gtctctgggt 300
tttttaagct tttttgcata tgTTTTGTAA gcaacaaatt tttttgtata aaagtcccgt 360
gtctctcgct atttctgctg ctgttctctag actgagcatt gcatttcttg atcaaccaga 420
tgattaaacg tt 432

<210> 1447
<211> 416
<212> DNA
<213> Homo sapiens

<400> 1447
ggccaaataa gcgcgcggeta tgcccctgta ttggattgcc acacggctca cattgcatgc 60
aagtttgctg agctgaagga aaagattgat cgccgttctg gtaaaaagct ggaagatggc 120
cctaaattct tgaagtctgg tgatgctgcc attgttgata tggttcctgg caagcccatg 180
tgtgttgaga gcttctcaga ctatccacct ttgggtcgct ttgctgttcg tgatatgaga 240
cagacagttg cggtgggtgt catcaaagca gtggacaaga aggctgctgg agctggcaag 300
gtcaccaagt ctgccagaa agctcagaag gctaaatgaa tattatccct aatacctgcc 360
acccactct taatcagtggt tggaagaacg gtctcagaac tgtttgtttc aattgg 416

<210> 1448
<211> 429
<212> DNA
<213> Homo sapiens

<400> 1448
cctgtcagag tggcactggt agaagttcca ggaacctga actgtaaggg ttcttcatca 60
gtgccaaacag gatgacatga aatgatgtac tcagaagtgt cctggaatgg ggcccatgag 120
atggttgtct gagagagagc ttcttgtcct acattcggcg ggtatggtct tggcctatgc 180
cttatggggg tggccgttgt gggcgggtgt gtcgcgctaa aaccatgttc ctcaaagatc 240
atttgttgcc caacactggg ttgctgacca gaagtgccag gaagctgaat accatttcca 300
gtgtcatacc caggggtgggt gacgaaaggg gtcttttgaa ctgtggaagg aacatccaag 360
atctctggtc catgaagatt ggggtgtgga agggttacca gttggggaag ctcgtctgtc 420
tttttcctt 429

<210> 1449
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1449
ctgccaaaat ctgggggaaaa taggatcaaa gttaggggac agttgtagtt ctggtgagag 60

```
<210> 1450
<211> 70
<212> DNA
<213> Homo sapiens
```

```
<210> 1451
<211> 391
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 310
<223> n = A,T,C or G
```

```
<210> 1452
<211> 490
<212> DNA
<213> Homo sapiens
```

```
<210> 1453
<211> 334
<212> DNA
<213> Homo sapiens
```

```

<400> 1453
cgggcgctga ccggtgccga gctcaccag cagatgtttg atgccaagaa catgatggct 60
gcctgcgacc ccgcccattg ccgctacctg acggttgccg ccgtgttcag gggccgcatg 120
tccatgaagg aggtggatga gcaaatgctt aatgtccaaa acaaaaaacag cagctatttt 180
gttgagtga tccccaacaa tgtgaaaacg gctgtctgtg acatcccacc tcgggggcta 240
aaaatgtccg ccaccttcat tggcaacagc acggccatcc aggagctgtt caagcgcata 300
tccgagcagt tcacggccat gttccggcgc aagg                                     334

```

```

<210> 1454
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 419
<223> n = A,T,C or G

```

```

<400> 1454
aaaagacact cctcccaagg actaggaagc ctctgaaatg ggcttgaag tttctaatacc 60
caaagacttc gaaccagga tctggatagc aagcaaaaat atttagatat ttactcagtt 120
gaaaacgtgg ggggtggctt cgtggtctct tcgccagcca aatcgcgtag aaaaccacga 180
cctcaatttt tacaacagca cgaagactta caagtgagcg tagcagcgac ttcctggaac 240
ctcaaacaat gtgggacgct gcaataatgc ctgagggctt ttgacttaca gttgccgccc 300
gagacctggg gagggggtag tacttgggcc ggtgagtcca acctcaggaa ctgtcctttc 360
aaaatggtga tggatgtaac aagttgcatg tctgggcttt atttcagtgt attaattgng 420
cgatctttt                                     429

```

```

<210> 1455
<211> 456
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 260
<223> n = A,T,C or G

```

```

<400> 1455
cctaaaagat cactatcttt cattcagga aatcagaaac tacttctagc agggggaggg 60
aggcaggcag ggaaagtaga aagggcctgg gcagagctgt aatcctcaga acttgtcagc 120
cttcagttcc cccttgtctg aactgagcac tgcccctcag agtcctcca gagccaagac 180
aaaaccaaga cagcaggacc aggagtcca ctgtctgtcg gggttgcctg agggagaagg 240
ggaaggaggt ggaggtgtan gcagcatcac tgcagaggcg agatcttcaa ggggatcatg 300
atcctagact ccattgtgtc caccaggggg actgtatagt agacattttc atcccagcct 360
ctcttctctc aggcagcgtt tcgagtctcc tcccagact gcaggctctt ataggcccag 420
agatggtgca ccacgtagag ctctcctatc tgtgag                                     456

```

```

<210> 1456
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<400> 1456
aaatagctga gcacctactg gaagaattcc tgggctaaat gctgaaaata aaattttaatt 60
tctgcacaga aaataaccatt aacttagtag cctttgctta aagggtggat taattctcca 120
tgaagtcaga atgagacaat aagcagcatt aacttcatag gcacacagaa ctagtgtcga 180
aactgctagc acaaattcca acagagtaca taaggctaag tcactactca agtgtccatt 240
tccatcaaat ttagagactc tccctatgca tctaaggga ggaattatca ctgaatataa 300
atgcctccag gagaaacgga gaattcagtt aagggttaaat tagacaaaag ataataagt 360
caagtactag agaaatgttg ctggagataa accataaaat ttgtgacact aacgtggcat 420
ggggtgaatc acataagctg ctagctgttg aacaccagtg tttcaa 466

```

<210> 1457

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 292, 303, 308

<223> n = A,T,C or G

```

<400> 1457
ccaggaggcg agaaggtggc tgttcccgga ttgactgctt tttcccgggg gcctttggaa 60
gatttgggtg aaggacaaga gggcctgtcc ctgtccccgt cccagaggag tgccgacagt 120
ccctgtgctg gtttagacacg gagcgtgca caccgaaagc ccaaattggg agctctgcct 180
gccggcaact ttgctgatgg ggtgattgct gcttctgggg ggtaaggaaa caagttacag 240
aaattaccgc gttctgtgtg aagggactga aggtgtggtg tcattggcag anggtcattt 300
tangaganct gccccagccc ctcgaacgcc tggcttgggg tgtcattctg cctggcgggc 360
agg 363

```

<210> 1458

<211> 233

<212> DNA

<213> Homo sapiens

```

<400> 1458
aaatcactaa aaatatttat tcggatttga aggatttaag tgctaaaaat caatccattt 60
cttgcccttc aataattgtc catgcctgcc tttgttgtt tacatgctct tctgccaga 120
ctgttagtaa tctagggacc ccctttggag ctgataagta cagttcagcc ttttctcctc 180
aaatatataa tgactttaac attcctaaga atataggtat ttctgaatga ttt 233

```

<210> 1459

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 435

<223> n = A,T,C or G

<400> 1459

```

tttttttatt attgtacacc ttgaaggcga ggttaattaa atcctgttgt ggagtttgag 60
ggccggaatt taatttttgg agttttatatt aatatcgga gcagattggg taataaaatg 120
tatattgaga ataagacggc cttttgaact tttagggctt agggctgtaa agtgtctcag 180

```

```

ggttgctgcc gaacgagcca tgaactgggc tgggttttta tttttgatga aaaagagcct 240
aaacgcttct gatttgggat aaagaaaaag gagcattaac cttgactatg tcttttagctc 300
cagccacctt ttttaagagta aattgctggg cagggtggggg agggctagtc acagaacgaa 360
actgtaagcc agaccgggtg tgaggagggg aggtgataaa aagattatag ggtggaggag 420
cggaggctga ggaanaattg ggacctagct cggcct 456

```

```

<210> 1460
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<400> 1460
ccaaaatatt ttataacttg tccatacaga gttttgatga tggagactat tttcctgtgt 60
ggggcacatg ccttggattt gaagagcttt cactgctgat tagtggagag tgcttattaa 120
ttgccacaga tactgttgac gtggcaatgc cgtggaactt cactggaggt caattgcaca 180
gcagaatggt ccagaatttt cctactgagt tgttgctgtc attagcagta gaacctctga 240
ctgccaatTT ccataagtgg agcctctccg tgaagaattt tacaatgaat gaaaagttaa 300
agaagtTTTT caatgtotta actacaaata cagatggcaa gattgagttt atttcaacaa 360
tggaaggata taagtatcca gtatatggtg tccagtggca tccagagaaa gcaccttatg 420
agtggaagaa tttggatggc atttcccatg cacctaatgc tgtgaaaacc gcattttatt 480
tagcagagtt ttttgttaat gaagctcgga aaaacaacca tcattttacc tgc 533

```

```

<210> 1461
<211> 553
<212> DNA
<213> Homo sapiens

```

```

<400> 1461
aaaaacaagg aagaacctag gaaagtcgcg tttgattatg acttattcct gcattcttgaa 60
ggccatccac cagtgaatca cctccgctgt gaaaagctaa ctttcaacaa cccacacagag 120
gacttttagga gaaagttgct gaaggcagga ggggacccta ataggagtat tcataccagc 180
agcagcagca gcagcagcag tagcagcagc agcagcagca gcagcagcag cagtagcagc 240
agcagcagca gcagcagcag cagcagtagc agcagcagta gcagcagcag cagcagcagt 300
agtaccagtt tttcaaagcc tcacaaatta atgaaggagc acaaggaaaa accttctaaa 360
gactccagag aacataaaaag tgccttcaaa gaaccttcca gggatcacia caaatcttcc 420
aaagaatcct ctaagaaacc caaagaaaat aaaccactga aagaagagaa aatagttcct 480
aagatggcct tcaaggaacc taaacccatg tcaaaagagc caaaaccaga tagtaactta 540
ctcaccatca cca 553

```

```

<210> 1462
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<400> 1462
ctgccaaagg gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttcccaacct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
agcatgatct tcaccttgat gccagcaca ccctgtctga gcaacacgtg gcgcacagca 240
gtgtcaacgt agtagttaac agggctctcc ctgtggatca tcaggccatc caciaacttc 300
atggatttag ccctctgtcc toggagtttc ccagacacca caacctcgca gcctttggcc 360
ccactctcca tgatg 375

```

```

<210> 1463

```


<211> 472
 <212> DNA
 <213> Homo sapiens

<400> 1463
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggttaagggg tgatatcatg gggatgttag aagaaacatt tgctgtatag 240
 aatgatttgt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggaagatac 300
 aaggtcogaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagtttgg ggatagcacc aggagatatc ag 472

<210> 1464
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 232
 <223> n = A,T,C or G

<400> 1464
 ccacttcctc aggactaagc agcaaaacct aaaggtctgc ctgcccagac cacactacac 60
 atttgggctc aggcaacgtc cctgacactt taacctcatt ccaaagtcag ctcagggtctg 120
 caggaaggca ggcaaaattc cctacacctc atttctggat ttctgcacca cacagctctc 180
 actgtttctg ccaatggtga aaagaccacc aataagctgc tgcccttctc tncoccaaacc 240
 attcccaact ttcaggccaa agagccgcag gagtttcatt ctgtcctgtc tgtacagatc 300
 attattttcc agaaaaagtg acccatgaag ttggctgggg cgggtgtgga gtgttatgtc 360
 atgggacgga ccttgggatg agggcggttaa tccatggggc cctctgagat cacttt 416

<210> 1465
 <211> 599
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 499, 548, 590
 <223> n = A,T,C or G

<400> 1465
 ccatgggtctt caccocatga attctccact ctccattttg tgaaagcacc atcctgatca 60
 tccttctctg agacagcagt gaaggtcagt gcgtgggtca taagtgactc accaaaagtc 120
 agcctctccg ctttattcat gttcttcaag gagacaccaa aactaactc atgggtcatag 180
 agattcatgt cactgaggcc cagcttgcta ttgaagtgtt ttccaacatc acagccaaac 240
 cacacagcct ctccatcttt gatggaggca gcaaccatct ttttcaggaa gtcaatgggc 300
 tggttggtgt atagagtttt tctccctcca accatattgc ttaagtattc cactgtgtaa 360
 agtttggtgt acttgtgtctg gggcctaggg tcattcacta aacaaatctt atcttccata 420
 ttgaagagtg gcttgacatg ttccctgtaa aactccaagg gtgttatggg gcccattttc 480
 tgataatttt tatctttgnc tcgatattcc cagggtgaatg tctctggtgg attacccaaa 540
 cagatgcnc a cactcgga tatctcctcc atcatgacgt cctgtgtggn cgagaattc 599

<210> 1466
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 1466
 cctaaaagca aactccacag ccaaaccctt cctcctgtct gtcctacaca ccaggaagaa 60
 tcgaaaaaagg gaatttttcc ttacatagct caagttaaag actttttcat gaaaaagtct 120
 agatcatctc tctactgtga tttggtacat ttctaacgtt tattttttatt ttttaactta 180
 atttttgtgg atacatagta ggcgtagata tttctgtggt acatgagatg ttttaataca 240
 ggtgtgaaac atgtaacaat caggtcatct aaaatgggg acccatcccc tcatgcaactg 300
 atctttttgtg ttatacaagc aatccaatta tactctttta gttattttt 349

<210> 1467
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 1467
 gctggctcag ggaagtgtct tcttgccac atttctgtgg ggaaagggtt ttaatcctct 60
 gatgcttcca tcttctgtt taggccatgt gccagaaaac ctggactgat ctttcttta 120
 tagtgaacc ctgggccact gaagagtaac atggctccac tggacacaaa agagggatgg 180
 aatcaacagg cagggggcct tttataagcc ttaggaaaag aaaatgaaac tatttcatct 240
 ttggactttt caatactatt ggagtgattt ttttctttct aaacagggaa aataatgtta 300
 caaaagcatc ttttttgta tttgtttgca tccctcccc acaccctggt gtttt 355

<210> 1468
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 1468
 cctttacttt attcagtga agtgtctatt tagactaaga ggtatttttag tttcctgact 60
 cgggacatgt tgagtaaagg taatttgcca gtcctgggtg gggcaaattc tccagcctga 120
 tgtgtagggg agggaggggg cctgaataat ccctgaggag tagtagaata gcagatggaa 180
 cactgagaag ttatttctct gaggatagat ttccacgatg gaaaggaaat gagaggttct 240
 gagaggcggg ctagtggctt g 261

<210> 1469
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 1469
 cctacagact tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtggctct 60
 ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
 cttcttcagt cgtccagggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
 gctgtatttt ccattcttta catcttctg tctgttcaag aaccagtctg ggatcttgta 240
 ctggcgtaga ttctgcataa tggatgacac acgttccacc tcatcctcag tgagtctctc 300
 cgccctcttg gtgaggtcaa tgtctgctt cctcaacacc acatgagcat atcttcggcc 360
 cacaccctta atggcagtga tggcaaaggc tattttccgc cgcccatcga tgttgggtgt 420
 gacctgcc 428

<210> 1470
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 1470
 ctgccttatt caccgaggagc ttgtgattcc tggcctggcg aagaatgggtg ttccggcgca 60
 tggctctttgc atatggggttt agcttcaaca tgattctcaa gtttttcagt gggttcttct 120
 ttaggactct gcgatggatc ttcttgctgt gtgctcgaag ggctctttgg atctctgggc 180
 ttttcaagat tctgctaaga tctgtattaa tcatcttgtg catgggaaga ttgtagttac 240
 tcttgaggga agcggcttta cgccaagtgc cgtacaattc atctaacttc cggaagcac 300
 tttcagtgca aatgcagaaa cgtcc 325

<210> 1471
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 485
 <223> n = A,T,C or G

<400> 1471
 ctgggccaaag taggagaggg aagaggtgat atgagcctcc tctgtgctct gacagagaaa 60
 tgtccaattc cagatcaaag gcatcattgc caccctctcc tctccttcct caaagaaaac 120
 tttctggcct ggagggaaat agttaagaac tgaaaggcca ggggctctgg aggaaaaaaa 180
 cctctacta tttccacaag gcagtgagg gtgataaggg tgctagtcac agccctgaca 240
 gcttcagaaa gggtagccac attacctctg ggtagccag catccagagc cccaaggagc 300
 ctagctctcc cggatatata ttcttgaat ggactgacct ttttagccac ttgtctctgg 360
 tggtagggaga gcaactctgaa ccagaaacca acaagggaat cacttcccac ccaacttaag 420
 agtgtatgca cacatgtgga tacacatgca cctccccact actcacacag accccaacc 480
 ccttnatgtc ttttgagggg ggctcaaact actgggtgctt ggggacacaa g 531

<210> 1472
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 1472
 ccagggtttta gatattaacc tggctgcaga gccaaaagtg aaccgaggaa aagcaggtgt 60
 gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg actttcaacg 120
 ggactattat gataggatgt acagttacc agcacgtgta cctcctctc ctcctattgc 180
 tcgggctgta gtgccctcga aacgtcagcg tgtatcagga aacacttcac gaaggggcaa 240
 aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa agttgaaagg 300
 agatgacctt caggccatta agaaggagct gaccagata aaacaaaaag tggattctct 360
 cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
 tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
 gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
 tgataatgaa gatcgggggg atgacc 566

<210> 1473
 <211> 357
 <212> DNA

<210> 1477
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 1477
 aaaaaaccaa tagcagccaa aacagaacat ttgtaaacaa aaccacaact atcagccctg 60
 tgcttaaaca cagaatctgc attcttttga aacattaagt atatgcaata aagagaatat 120
 agaccatctt ttctcttaat atacaatacc caatatctaa aacaatgtca ccaataatag 180
 acacaaatcg gtgttatcat aaggcatgtt gaacagtctt tttcacagta ctcaggggca 240
 tcatgttgct gcagaggcca cactttccag aagttttctc ctgctgcga tcctcgca 300
 ccgggggcac tcggaggact ggaagcactg tttgtgaaag caagccctgc acgctgaaca 360
 tctttacat gttgctgtct gaaat 385

<210> 1478
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 350
 <223> n = A,T,C or G

<400> 1478
 aaaaattaat taaagagaaa gagaaaagca acattttaat gccccaggaa ttgaaactaa 60
 cgttttctgt ctgggtgga cccctacgcc catcttttaa acctatatat ggaaaaggaa 120
 atttcaatgc cagatttgat aaaagaatgt gatgtatatg tagctgatga cccactgggg 180
 aacaccagtg ttccagttca cttaccacat ctgtgacagt gtgttttagat tggaataaat 240
 gtgatgcatt acttcttatg tttttatcag tgacatgggt gactgtgccc taattctctt 300
 gagttgcagt taagcaatga aggttatctt ctaataggga agcaaaaggn gattgtcaat 360
 tgatagttta atgtttgacc acattagtgt ctttatatga aatagtagag gggaagaaat 420
 tatagaaaac aaatgtgaaa aaaatacacc agtgggtatc tgttctacta aaaccagaag 480
 attgttatga g 491

<210> 1479
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 1479
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc agcacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttcagga taatcacctg agcagtgaag ccag 454

<210> 1480
 <211> 283
 <212> DNA

<213> Homo sapiens

<400> 1480

```
ggcgctgggg aagctgaagc agttcgatgc ctacccaag actttggagg acttccgggt 60
caagacctgc gggggcgcca ccgtgaccat tgtcagtggc cttctcatgc tgctactgtt 120
cctgtccgag ctgcagtatt acctcaccac ggaggtgcat cctgagctct acgtggacaa 180
gtcgcgggga gataaactga agatcaacat cgatgtactt tttccgcaca tgccttgtgc 240
ctatctgagt attgatgcca tggatgtggc cggagaacag cag 283
```

<210> 1481

<211> 530

<212> DNA

<213> Homo sapiens

<400> 1481

```
aaatttgatg tgaaggaagt atcttaggag aagctaaaaa atacataaat gaacgaagac 60
tggaagaatc ttcaagatgt taaaaactca tataaccaca gaaataaaaa ctccaattgt 120
taaagtcata gttaaagagaa ggaagcaaat cataataggt caaaatataa agataaaatg 180
accactgaaa ggataataaa gattgtgaaa atcaggacac tctcaaacag aaacccaaaag 240
cggaagagag atgaaagcaa gagcaaagta agacacaatt tgtacgatca acagaactgg 300
cactaggggtc aagagcagct tcactttgca gaattcatca atttgaagaa cttctgtgat 360
cttttgtgat ggctgtttac aatgaacagt agtttcattt atatctgttc cactaaaaac 420
cactgctttt tccaatatcg tgatcacagt aatgtttaca aagaatcaaa cagaacataa 480
gaaggactaa agatacttct gaaacagata ttaaaaaata ataatgatgg 530
```

<210> 1482

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 393, 402

<223> n = A,T,C or G

<400> 1482

```
ctgccaaagga gacctgttta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttcccaccct tctgtttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgtcacagt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
agcatgatct tcaccttgat gccacgcaca ccctgtctga gcaacacgtg gcgcacagca 240
gtgtcaacgt agtagttaac aggggtctccg ctgtggatca tcaggtcatc cacaaacttc 300
atggatttag ccctctgtcc tcggagtttc ccagacacca caacctcgca gcctttggcc 360
ccactctcca tgatgaaccg cagcacacca tancaggccc tncgcacagc aagccctcct 420
```

<210> 1483

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1483

```
ccatggaagg cgaatttggg tttgaaattc ctgatataga tgctgaaaag ttaatgtgtc 60
cacaagaaat tgtagattac attgcagata agaaggatgt atatgaataa agtatcagac 120
cctttggctt tgctgagaga ggactcagat gatagtgcag aatgtctggc ggtgaggaca 180
```

cattttggca ttcttgctga ctctgacaga gtgattctga tggacttgta ttt 233

<210> 1484
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 1484
 cgcggtgcga cgaaggagta ggtggtggga tctcaccgtg ggtccgatta gcctttttctc 60
 tgccttgctt gcttgagctt cagcgggaatt cgaaatggct ggcggtaagg ccggaaagga 120
 ctccggaaag gccaaagaaa aggcggtttc ccgctcgcag agagccggct tgcagttccc 180
 agtgggcccgt attcatcgac acctaaaatc taggacgacc agtcatggac gtgtggggcgc 240
 gactgccgct gtgtacagcg cagccatcct ggagtacctc accgcagagg tacttgaact 300
 ggcaggaaat gcatcaaaaag acttaaagggt aaagcgtatt acccctcgtc acttgcaact 360
 tgctattcgt ggagatgaag aattggattc tctcat 396

<210> 1485
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 461
 <223> n = A,T,C or G

<400> 1485
 aaaagtactt attttgtcac agcagccaag acactaacia ccacctaaat gtccaggaca 60
 gttgaatgga taaaataaat gtggtaatat acatacaacc aaatattatg tatccttaaa 120
 aaaaatcctg tcatatacta caacatggat gaatcttgag gacattacac taagtgaat 180
 aagccagtca cagaaggaca aatattgcat gaatccacta atatcagggtg tctaaaacag 240
 taaaactcat caaatcagaa agtaaaatgg tggttaccag gggtcagagg gagacgaaaa 300
 ttgggagggtg ctgttcaatg ggtataatth tagtcatgca agatgaaaag ttctagagat 360
 ctgctatata acaatgtaca gacagttaac aatactatat tgtaccctta aacattttgtg 420
 gaagaaggta ggtctcacgt taagtgtttt ttaccacaat naaaaaatat acagtcattgg 480
 atacataaag agaaatgagc tggtgggcaa ttttgttgtt atacaaacat gatagtgtac 540
 ttacac 546

<210> 1486
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 1486
 aaaatccaga acttggaactc catcggttaaa attatttatg tgtaacattc aaatgtgtgc 60
 attaaatatg cttccacagt aaaatctgaa aaactgattt gtgattgaaa gctgcctttc 120
 tatttaacttg agtcttctac atacatactt ttttatgagc tatgaaataa aacatttt 178

<210> 1487
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 210, 333, 486
 <223> n = A,T,C or G

<400> 1487
 ccaacatggt aaaatcctgt ctctactaaa aatacaaaaa aattagccgg atgtggtggc 60
 gtgtgcctgt agtcccagct actcgggagg ctgaggcagg agaattgctt gaaccggga 120
 ggcagagggt gcagtgagcc gagatcacgc cactgcactc cagcctgggt acagagcaag 180
 actccatctc aaaaaaaaaa aaaaaaaaaa gaaaagaaaa aattaattgt aagagattct 240
 atgcgtaaac atattggcta aagttaaaat ggcattactg agttttttcc ataaattgga 300
 cattggaata aaatcacaac agagttttct tanaacattg ttctgctctg agaaaaactc 360
 tgtaaagggt tacaaaatgt ttataaaaat cttacottat ggtcaaaacta attaaaacaa 420
 tagatttata aaatattaaa agctagcttt aacattaaaa atatgcaaat ggaaacataa 480
 aatttngttt tctctttt 498

<210> 1488
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 1488
 aaaataaaag gagggctaatt gtttcatgtt gctttataca tcctttctct caatacagaa 60
 ccaggaatgt aattttccta actcaggcag gcactgatac tgatggacac tgcgcgtgca 120
 cacacacaca cacacataca cacacacaca cacacacaca caccctctcc ccccaaacia 180
 caaaattcag agtatgtcaa aggaaaaagg tttgttattg tattgatcaa aaccagtggt 240
 aatcaacacc atctatctta gcttancagg tatgctgttt tgatcttgag tctatattaa 300
 tggaatctat tgttgcattc tgaaataaag aattttggat ataccattat gtttt 355

<210> 1489
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 1489
 ccagcgacct cccggttcaa ttcttcagtc cggctgggtga accaggcttc agcatccttc 60
 cggttctgct cggccatgac ctcatattgg cttegcattg cactcaggat cttggcgaga 120
 tcggtgcccg gagcggaatc caccctcaca ctgacctggc ctcccacttg gccctcagc 180
 gtactgattt cctcctcatg gttcttcttc aggtaggcca gctcttcctt cagg 234

<210> 1490
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 1490
 ccatgtgtgc gccagtgaa aagttttctga acatgggtgc acccctggga gtgggctgtg 60
 gtctcgtctt tgtgtcctca ttgggatcta tgtttcttcc acctaccacc gtggctgggtg 120
 ccactcttta ctcaagtggc atgtaagggt gattagttct tttcagcatg ttccttctgt 180
 atgataccca gaaagtaatc aagcgtgcag aagtatcacc aatgtatgga gttcaaaaaat 240

$\langle 220 \rangle$ $\langle 222 \rangle$ 400

<223> n = A, T, C or G

<400> 1494

aaacagagaa	tatatat	ttt	aaacatcgt	tttaagtttat	gattaattat	ctattactga	60
ggataagaat	ctttgcctgt	gctcattcag	catttgcact	tcatttatga	tctgccttct		120
catagcttct	gttaat	ttt	atactagaga	cattttatttg	tttgtataaa	tgttgaaggt	180
ttttttttgt	tgttggtgtt	tttgagtcag	agcctcgtct	tgtcaaccag	gctggagtgc		240
agtggcatga	tctcggtca	ctgcagcctc	catctcctgg	gttaaagtga	ttctcctgcc		300
tcagcctcca	gagtagctgg	gactacaggc	atgtgccacc	aagcaaggct	aatat	ttttgt	360
atttttagta	gagatgggt	ttcgtcctgt	tagccagggn	ggtctcgatc	tcctgacctc		420
atgatctacc	tgctcggcc	tcccaaagtg	ctaggattac	aggtgtgagc	caccgtgcc		480

<210> 1495

<211> 497

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

```
<221> misc_feature
```

<222> 304

$\langle 223 \rangle$ n = A, T, C or G

<400> 1495

cctttagtta	ttttgtctct	tgttgctgga	gcccatccac	tgtctgacat	catagccatg	60
ggcaagagga	tattgccttg	gctctgtctg	agtgtcgga	tgtgaccggc	cataagtagc	120
ctttgcaaag	gaagctaata	gacagtgcct	gaattaaggg	tgcttaccct	atcctagaaa	180
gcgttaaagt	caaagcggaa	aatatacatg	gtacccaaaa	tcaaggagac	tgccagagac	240
cagcagggga	tctaagggat	ttaccactgg	gttagcacag	acactacact	tgaagatttc	300
ctancggctg	ctgctgctgt	ttccatgata	agaattcagt	gagacaaaga	acctgccaag	360
ctcattaacc	gagtagcagg	aagagctact	gtgtagcctc	tggtgttccc	caactgactc	420
agccctgcag	atgggacatc	ctgtagggtc	tgtgaatatc	aagttactga	gggatgttct	480
caggacaagc	ctagcat					497

<210> 1496

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1496

gcttcattc	tgggtgcaac	cggggtcgtg	gtcggggagg	aaaaagagga	aaccagtcgg	60
ggaagaatgt	gatgttgagg	cgcatacggc	atgagggtgt	cttcatttgt	cgaggaaagg	120
aagatgcact	ggtcaccaag	aacctggtcc	ctggggaatc	agtttatgga	gagaagagag	180
tctcgatttc	ggaaggagat	gacaaaattg	agtaccgagc	ctggaacccc	ttccgctcca	240
agctagcagc	agcaatcctg	ggtggtgtgg	accagatcca	catcaaaccg	ggggctaagg	300
ttctctacct	cggggctgcc	tcgggcacca	cgggtctcca	tgtctctgac	atcgttggtc	360
cggatggtct	agtctatgca	gtcgagttct	cccaccgctc	tggccgtgac	ctcattaact	420
tgg						423

<210> 1497
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 1497
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
 tatgtatgtg gaatccagaa ctacagttagt gcaaaccgca gtgacccagt caccctggat 120
 gtccctctatg ggccggacac ccccatcatt tcccccccag actcgtctta cctttcggga 180
 gcgaacctca acctctcctg ccactcggcc tctaaccat ccccgagta ttcttggcgt 240
 atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cagccaaaat 300
 aataacggga cctatgcctg ttttgtctct aacttggtta ctggccgcaa taattccata 360
 gtcaagagca tcacagtctc tgcactctga acttctcctg gtctctcag 409

<210> 1498
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 1498
 cctccgtcca gcatcagctc aaaggcgaag gacacattgt ggaccttctg atcgaagctt 60
 tccggagtca ggtagaagtg gtggagagga acaaagtagt cttccagaag gcccatgagc 120
 agaaccaggc acacgccatc tgcaaactgg gtctccagtt ccgtcacctc caaattcagc 180
 ttgttcaggc gcttgtttcac aaaagtgatg agagacttct tcaccacgct gagcttatcc 240
 ggggcgtggt cgaacagcgt gtcgaaggca tcccgctcga accggcccat catcatctct 300
 atagttgtgg tcagctcctc cgagatgtgg ctggaatgca gcagg 345

<210> 1499
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 225, 301, 371, 373
 <223> n = A,T,C or G

<400> 1499
 tttttttttt ttttttgttg tcccanattt attgaaaata atacagcact acagaaaaaa 60
 ttcaaacagg tccccgaggc gttttgaaat tcatcccaac ttaggctga gtgacctgaa 120
 ggttggacag actgocgaag tccaaaagct tcagcatttc cttagtgtca ggatctactt 180
 caataatctc ctgatccaag gctgagacct caggaacata attgntctc ctttctctct 240
 cctcctcctg cagcttgatg gagatacctc ttactgggcc tctctgaatt cgcttcatca 300
 natgcgtgac gtaacctgct atcttgttgc ggagcttttt gctggggata atggcgatct 360
 cctcgacacac ncncttggtc gtgtgga 387

<210> 1500
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 1500
 aaaatccttc agaatacatt tatgaaccaa tgcgactgga cttagccaca cacaatggaa 60
 attcagacct tgactatttg gtgtttccag ttcacaaagg tgatgaagac tgtcttggga 120

```
gcagcttaat cccaaaattt gtacatttct tgctgctcct ggcggtggaaa cttaagtgag 180
accaccaa atcattggtcc tgtccaattc tactgaatgg ggggtggacct ggcattttatc 240
tgg 243
```

```
<210> 1501
<211> 537
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 492
<223> n = A,T,C or G
```

```
<400> 1501
ccacatcaaa agaatcactg ataatgacat ccagtccctg gtgctagaga ttgaagggac 60
aaatgtaagc accacatata tcacatgccc tgacagacccc aagaagacgc tgggaattaa 120
acttcctttc cttgtcatga ttatcaaaaa cctgaagaag tattttacct tcgaagtgc 180
ggtactagat gacaagaatg tgctgcgtcg ctttcgggca agtaactacc agagcaccac 240
ccgggtcaaa cccttcactc gcaccatgcc catgcggctg gatgacggtt ggaaccagat 300
tcagttcaac ttgccagact tcacacggcg agcatacggc accaattaca tcgagaccct 360
cagagtgcag atccatgcaa attgtcgcat ccgacgggtt tacttctcag acagactcta 420
ctcagaagat gagctgccgg cagagttcaa actgtatctc ccagttcaga acaaggcaaa 480
gcaataactg gnattgtgac tcgagggata gacccctg atgtgactct tcttttt 537
```

```
<210> 1502
<211> 176
<212> DNA
<213> Homo sapiens
```

```
<400> 1502
ctgtccaatg gcaacaggac ctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
tatgtatgtg gaatccagaa ctacgtgagt gcaaaccgca gtgaccaggt caccctggat 120
gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttc 176
```

```
<210> 1503
<211> 455
<212> DNA
<213> Homo sapiens
```

```
<400> 1503
ctgtcaaagc catcatatat cagtatatgg aagaggtggg tttttattta actacttgga 60
taattttag ctacttttat gatgtagtaa tgctactgtt taaccaggtt tggatattag 120
atgatcctaa caattcacta tcctgtggcc taaagagaca ggaattgata tcctttataa 180
ggaaaaaagt ctattcacag gagccgagca gattgctcac tgctgtgtag taccctgggtg 240
agaggagata aatggagcaa ggctgtaggt tggagccctc cagtagaatc atagattttg 300
agctgcaaga tgatgcagga ggccaaccaa gcttcttggt gctgggtgagg aatgtgaggt 360
tgaagcttgt ctgtgctgat gcagtgcgtg attgagtggg tctctggctc ccgtccatgt 420
gtcctgacac ccagtctggt actttcatta tgcca 455
```

```
<210> 1504
<211> 266
<212> DNA
<213> Homo sapiens
```

<400> 1504
 ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
 ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat cagggttcgtc 120
 ctttagtggt gtgtatgggt atcatttggt ttgagggttag ttgattagt cattgttggg 180
 tgggtgattag tcggttggtg atgagatatt tggagggtgg gatcaataga gggggaaata 240
 gaatgatcag tactgcggcg ggtagg 266

<210> 1505
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 1505
 ccagtttacc ctgaaaattc ccgtgagaag ggagatggcg gtagcagcga cgtgcccacc 60
 tgtgatttct ggggcccttc ttttctctt gctgggtcag ggactcaagt ccaggccaat 120
 ttgactcaaa gtccaaggga gaagagaaag aggggggtgg ggagtgccaa attcctttat 180
 tttgccatt gtttc 195

<210> 1506
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 383, 385, 409, 411, 421, 447, 458
 <223> n = A,T,C or G

<400> 1506
 aaaatattaa cagtcaggca gggcgcggtg gctcatgccg taatctcagc cactgaggag 60
 gctgcggcag gagaattgct tgaaccagc aggtggaggt tgacgtgagc caaaattgca 120
 ccaactgact ccagcctggg cgacagagca agactctgtt tcaaaaaaaaa aaaaaagatt 180
 taagatggta aattcgatgt tatgttcttt accacaatat ttttcttaa ggataactaa 240
 aaaaatcaga gttataaagc tatccaaaaa ttaccttcaa atcacaaaat tgtttcacat 300
 agagaaaata caaattcatc aacaaacaca cagtaaaact aagattatnt tcctgactac 360
 tcacctgaca agataaaaaa acntnaaaga tcagcccaga aaaaatatnt nagataagct 420
 ntgaacaaag ttgggggtcat atttatngac aacatgcnca ttcatatgtg 470

<210> 1507
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 1507
 ctgctggagt cggaactgct gcctttgttt ggcggccttg tttcttaaat cagttccctc 60
 ttaggattta ttacactaaa aaaaaaatta gtttttgaaa agaaatagga gaatacagaa 120
 acatgaattt cacgaggcta tcatctaaca gtgggggctt tctacacacg tggtgccaaa 180
 aatgtgtcat tctgagtcaa ttgcaattcc tctctaggag tgaaaagaga taaaagataa 240
 gccagaacc ctggacagat tcttggtgtt ggtgacaaag aggaaaggac ctgagaatgg 300
 ggctgggtgg gagagggggg gtgtctgctg gataccagga ggacaaggac cactcccacc 360
 tgcaggggtg cccaggacct agttgggctc ggcctcag 398

<210> 1508

<211> 483
 <212> DNA
 <213> Homo sapiens

<400> 1508
 aaaaaggaaa aactaaaagg gactgcctgc tttttttact gtaaacaacag ccctggatat 60
 taaatcccaa acaggaatct ctcaggcatc agagagtgtc aagtgagtca ggaataaacac 120
 aaaataaagg aatgggggag aaaataaaaa aaaaacaaaag caaaattaaa ataatgtca 180
 gtcactttga ggaactatac ttacgtatat gatgttatga gaatctggca gggcctagaa 240
 gcaggccaaa caggaagtgc atttatccaa ccgaagagga tcatgttcat tgcttccggg 300
 tttgaggaca ggatattgta gggaacttga tatgatcaat aacgcttgc tgcccttacac 360
 agaccttagc cagggatcag cctaattctg aagaatcatt caaataattt tggcaattat 420
 tataaggact tagaactgac tgcacccagt gttcagtgat tcttgccttc tgttttgtta 480
 ctg 483

<210> 1509
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1509
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
 ggtattaggg ataattattca tttagccttc tgagctttct ggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg 200

<210> 1510
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 1510
 ctgtggcctc tgccacccca tgggtgccag tcttaagttt cagagcatca ctggtactca 60
 ccctggctct gcagctcctg ggcccagaga caggatttcg tgtagcctc ctcgtaactgt 120
 gctggggtga tgataaaact aacaaccag gctggacgca gtggctcaca cccgaaatcc 180
 caacattttg ggaggccgag gtgggtggat caactgaggt caggagttcg agaccagcct 240
 gg 242

<210> 1511
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 455
 <223> n = A,T,C or G

<400> 1511
 gagatcatct gctccagaac caaccaggag ctgcaggaaa ttaacagagt ctacaaggaa 60
 atgtacaaga ctgatctgga gaaggacatt atttcggaca catctggcga cttccgcaag 120
 ctgatggttg ccctggcaaa gggtagaaga gcagaggatg gctctgtcat tgattatgaa 180
 ctgattgacc aagatgctcg ggatctctat gacgctggag tgaagaggaa aggaactgat 240
 gttcccaagt ggatcagcat catgaccgag cggagcgtgc cccacctcca gaaagtattt 300

```

gataggtaca agagttacag cccttatgac atgttggaaa gcatcaggaa agagggttaa 360
ggagacccgg aaaatgcttt cctgaacctg gttcagtgc ttcagaacaa gcccctgtat 420
tttgcctgac ggctgtatga ctccatgaag ggcangggga cgcgagataa ggtcctgac 480
agaatcatgg tctcccgcag t 501

```

<210> 1512

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 525

<223> n = A,T,C or G

<400> 1512

```

aaatgaccca aaactattaa taggtatfff aagcaataat tattaataaac agaagtgcta 60
catcacctgt ctttcgccct gactctccaa atgaacataa agacacacca aaaggctggg 120
aacagagcta gctgggacaa tcaactgcac tatagaacag ccaatacctt gaaaaactag 180
gcacaagtac atgaggaatt cttatcaaag atcatgcaca atccatgcca cttaaatggg 240
tttttagctga ggttttgctc atgttactct gaatttctaa ggacagatca gtgacctct 300
tagcctgagc agaaagcata ttcttccac tgcagtttcc tacacaattt agtcctgatt 360
agatgaggca ttatagcagc acctgaagta gagctccag aatccactgc ctttttcac 420
aaaggctatt tggttccacc ctccaggattg gcatactcac gagacatttc acaatcctaa 480
tgcatacttt aggttactta attaaccaag caatatgctc tgtcnaagaa cttatttcaa 540
gtcaaagcaa aaaagg 556

```

<210> 1513

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1513

```

ccagtgcaga aacgtttaat agaaataaaa aggtctgcat agagccgagg ctccggagcca 60
cccctctgcc gcacatccag tacagagagg attctataaa gttcacactt tttcattaag 120
tagtagtaga aatacgggtga ggccctgaga ctggccctggg gagcgaggaa aggccgctgg 180
gcgcttccac tctgcaggcc ggggctgaaa taaccgaggt tccgttctca cagaaagggtg 240
cggtctgccac ctcttgacac agaggccgga tgggcaggtg tcctcgatgg 290

```

<210> 1514

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1514

```

ctgtgggggag aggcgcctc ctctgatggg gtctcgatgc tgctgctctg ttcttggtct 60
ggcacgtcct cctcttctctg ctccaagctg aagttctacc tcgagtcctt gaaaaatctc 120
atccatgaag tctctgggagt tctgtttgta agacacagct aatcgaattg catcattgaa 180
gagcttcaca acattgggtac catcagcagc cgagacgaaa tacaggggca gggagaactt 240
cttggaacaaa ttgaagcttt tttgggtcac gtttatgtct gcatcaattt tattggccag 300
gctggtcttg aactcctgac ctagtaatcc acctgcctcg gcctcccaaa gtgctgggat 360
tacaggcgtg agccactgca cccagccaga aatgccgtct aatctttggt ttatcttaat 420
tagccaggac acttggaagt catcccgaag t 451

```

<210> 1515
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 60, 103, 104, 129, 133, 260, 265, 266, 306, 313
 <223> n = A,T,C or G

<400> 1515
 ctggcaagag acttcctgag gcacatcagc tacgttggtc aatttagggc acgggtctggn 60
 tctgcagctt tgaaagggtg attctttcta ttagcacact tnnntaagag ggattgtaaa 120
 ggattaacnt cantcaccag aaacgaaaca ccacttcaga aattcagaga cctctgatca 180
 acagaacaga catttgggct ttaactgcta aagcagctac ctacttgggg aaaccatggc 240
 attctgctgc ctggacagcn ggaannaaga gagatttcag agttactggc acgaggacaa 300
 agcctntcag ctngct 316

<210> 1516
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 269, 293
 <223> n = A,T,C or G

<400> 1516
 ccatggcact ctgatcatgg ttatatccaa gaaagcataa aataaccaat gtccctgatat 60
 gcaatctgga tgtgcagcat ttacagcaaa caacataaaa agaaagaaag aagaatggaa 120
 aagtaaagaa gaaaaaaacc accacaaagt cccaaacctc agaaattaac attcacttaa 180
 gaacacagtg gtgaagactt ttggtagcaa aatttgcacg gttcttaaaa tgggagtcct 240
 naaaagtact tcttcaaatt caaaagctna gaaaaccaa gagggaacag ttncacaggc 300
 ttagtgagaga tgcc 314

<210> 1517
 <211> 357
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 327, 332, 354
 <223> n = A,T,C or G

<400> 1517
 aaagatttct gttaatttga aagaacaaaa acaagacaga acttctggta ctctaatacag 60
 gatgattcct aacaagtcag tcatttgtga acttagtgga ctttttggtt actttaattt 120
 gcatatatcc tocagttaca tcggactcta tctgtggcct tgttcttcac ttcagtgtta 180
 atcagctaaa cagaagttgt tgcttatgat gtgtgagtga acatatgcc aatgcctggcc 240
 tttttttctt cagagcttgt tgtctttttc gctatattag actttgcagt atgccagaa 300
 gcttttccttc ataaaataga aagaaanaaa cntttggctt atttttcact gtancta 357

<210> 1518
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 1518
 cctcgggtgga gacgcagacc ccatgaagag gaaaccctgg acatccctgt ccagcgagtc 60
 tgtgtcctgc ccccagggat cgctgagccc tgcaacctcc ctaatgcagg tctcagaacg 120
 gccccgaagc ctccccctgt cccctgaatt ggagagctct ccttgatgcc ctctgttagg 180
 gccaccccca atcccagggc agaaggacat gagggagcaa agagcttgag gaatgccata 240
 ctccggctgg tccgggacat ggaaattcgg actcagggag gacccgggct gggcaatgac 300
 tgggagactt gccggggttc ccaggacttg ggggtcctga ctcccagccc tcatcctgcc 360
 ttaccctctt gttcccagcc ccagcctttc taagccattg ggaatagaat ggcccccttt 420
 gttctggtgt ctaggggtga ttgtgccaaa gctcttattt ccagtgccaa gccccagag 480
 gcttgtaaga gttgggatga gggatggaga gggactgggt ctctgggaac aggt 534

<210> 1519
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 1519
 ctggatcttt ccggggattc agtcaagacc atcgccaagc tatgggatag taagatgttt 60
 gctgagatta tgatgaagat tgaggagtat atcagcaagc aagccaaagc ttcagaagtg 120
 atgggaccag tggaggccgc gcctgaatac cgcgtcatcg tggatgccaa caacctgacc 180
 gtggagatcg aaaacgagct gaacatcatc cataagttca tccgggataa gtactcaaag 240
 agattccctg aactggagtc cttgggtcccc aatgcactgg attacatccg cacggtcaag 300
 gagctgggca acagcctgga caagtgcagg aacaatgaga acctgcagca gatcctcacc 360
 aatgccacca tcatggtcgt cagcgtcacc gcctccacca cccaggggca gcag 414

<210> 1520
 <211> 203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 148, 193, 196
 <223> n = A,T,C or G

<400> 1520
 ccaacagtgt atccatcacg ttagccctgc tggagggaag ggaccacat tcacctgccc 60
 totgacctgc cccttgatcc catatctatt accgtgtcca taggaataat aggtaagggc 120
 totgtctctg tcaagccatg taacaaanga cactgttaaa aaaaagaaac aaagtctggc 180
 atcagagggga gcntgnggag agc 203

<210> 1521
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 408, 439

<223> n = A,T,C or G

<400> 1521

```
ccggcgggtgg ggctggacgc aggtgcaact gacatgggtg aaccccaggg atccatgcgg 60
attctagtga cagggggctc tgggctggta ggcaaagcca tccagaaggt ggtagcagat 120
ggagctggac ttcctggaga ggactgggtg tttgtctcct ctaaagacgc cgatctcacg 180
gatacagcac agaccgcgc cctgtttgag aagggtccaac ccacacacgt catccatctt 240
gctgcaatgg tggggggcct gttccggaat atcaaataca atttggactt ctggaggaaa 300
aacgtgcaca tgaacgacaa cgtcctgcac tcggccttcg aggtggggcg ccgcaagggtg 360
gtgtcctgcc tgtccacctg tatcttcctt gacaagacga cctaccnnga tagatgagac 420
catgatccac aatggggcnc cccacaacag caattttggg tactcgtatg ccaagaggat 480
gatcgacgtg cg 492
```

<210> 1522

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 388, 389

<223> n = A,T,C or G

<400> 1522

```
ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg acgcttctga 60
gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
tgatctggag aaggacatta tttcgacac atctggtgac ttccgcaagc tgatggttgc 240
cctggcaaag ggtagaagag cagaggatga ctctgtcatt gattatgaac tgattgacca 300
agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360
gatcagcatc atgaccgagc ggagcgtnnc ccacctccag aaagtatttg ataggtagaa 420
gagttacagc ccttatg 437
```

<210> 1523

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1523

```
ctgctgcagc tccccagggg ccagccccgc ctctgcgtct gggctctccat cccaagacca 60
ttcaccctcc gagttgctgc tgtcctcctc gccctcctcc tcgtcctctt catcgtcttc 120
caccocatgc cgagtgcctc ggggcctcag tatccctctc tccgagaatc cctcgggtgc 180
gtcctcttca gagctgttca ggtcaaagag gtcttttaaat tgcttctgt cctcatcctt 240
cctgtcagcc atcttccttc gtttgatctc agggaagttc aggtcttcca gccgtctttt 300
gccactgata tccag 315
```

<210> 1524

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1524

```
agcgggtgaa gaaattagaa gaagtggaaa ggaaaaaacg ccaaaggag ttggaaattg 60
aagaacgaga acggcgtaga gaggaagaga gaagacttgg cgatagttcc ctttctagaa 120
```

```

aggactctcg ttggggagat agagattcag aaggcacctg gagaaaagga cctgaagcag 180
attctgagtg gagaagaggc ccgccagaga aggagtggag acgtggagaa gggcgagatg 240
aggacaggtc tcatagaaga gatgaagag                                     269

```

```

<210> 1525
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 1525
aaaaaccatg gcattcctta agattgcaga tctcaaatta tagtaaaata agttgagttt 60
aagaaaatga agagtataag tttgattagg gatggagggt gagaggagct tgccagatgg 120
gccatatcat aataggcttt atattctttg caaaagcaat tggattttat cttgtagtca 180
atggggagca aattaaaaga ttttaagtgg tgtgtattct aaaaagatca ctgtgggatg 240
ggtggctggc aggggatggg aggatgaaga aaagtgggt aatgggggcc gggcacggtg 300
gctcactcct gtaatcccag cactttggga ggccgaggcg ggcggatcac cgaggtcagg 360
agatcgagac catcctggct aacatggtga aaccccatgt ctactaaaaa tac          413

```

```

<210> 1526
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 408
<223> n = A,T,C or G

```

```

<400> 1526
ccatgctggg ggaacagttc atgggtgggg aggagatctg tggggctgtg gtgtctgtcc 60
gctttcagga agacattatt tcaatatgga ataagactgc cagtgaccaa gcaaccacag 120
cccgaatccg ggacacactt cggcgagtgc ttaacctacc tccaacacc attatggaat 180
acaaaactca caccgacagc atcaaaatgc caggcaggct gggcccccac aggtcctctt 240
ttcaaaacct ctggaagccg cgggttgatg tgccatgacc ctctccctct ctggatggca 300
ccatcattga agctggcgtc atcggagtct cttgttctgt tggcgtgcta cctggaagat 360
ccttctgtcc tggacaagag gaattggaag agcattttat gttttaanga acaggctgac 420
acgcagcagc tacaacaaca g                                     441

```

```

<210> 1527
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<400> 1527
ctgcagcatt acatgaaaga aagcgcccag cttctgtcgg aaaaaatcgc gttcaaaacc 60
tcggatttca gccgaggctc tctaattgcc aagcccaaag ttttcaactg cgaagtgtgt 120
ggaaaggctt ttaatgcgca ctataactta acccgtcaca tgccagtgca cacaggagcc 180
agacccttgc tttgcaaagt gtgcggaaaa ggtttcaggc aagcaagcac cctgtgcagg 240
cacaagatca ttcacacgca ggaaaaacct cacaaatgta accagtgtgg caaagcattt 300
aatagaagtt ccacttttaa cactcatacc cgaatacacg cgggctacaa accgtttgtg 360
tgtgaattct gtggcaaagg gtttcatcaa aaagggaatt acaaaaacca caagttgacc 420
cacagcgggg agaagcagtt c                                     441

```

```

<210> 1528

```

<211> 467
 <212> DNA
 <213> Homo sapiens

```
<400> 1528
ctgactttgt cgaacaagtg aatccctctg aaataacgct tccacaactg ttttttcaact 60
ggcattaaca gcagtaactg cgaatacact ttctcttctt aatgcagact gtattctgtc 120
tctatacaaa gaagccagca gcctccatgt gaccatctcc tgttgaagaa gccagagcat 180
actggctggt tttgaaaatt tttgaagtcc aggtgttgct cgactcacta ttttactcag 240
tatattcacc tgactaccac agatgttttc atactcttcc acaagatcaa aaactgtact 300
cgaagagtgc ttcagaaaag actgcaggaa atcagaaaac atactcatgg atgcagcttc 360
tccaggatca tcctcacgta acataacagc actgatagtt acatcttctg ttatactgtg 420
gggctctgtg tttgtgaaca gcccggaacg ctgtgatgaa aatgcag 467
```

<210> 1529
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 257, 262
 <223> n = A,T,C or G

```
<400> 1529
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggctcgnntt gntgtt 266
```

<210> 1530
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 290
 <223> n = A,T,C or G

```
<400> 1530
ccaggctggt ctcgaaactcc tgaactcagg tgatccgccc acctcggcct cccaaagtgt 60
tgagattaca ggcattgagcc acgtgcctgg ccagatcatc ggatttaggg tccaccctaa 120
tccatgataa cctcatgtct gtctacaaag accctatttc caaataagcc catattctga 180
ggtgaattct cagaatatga attctcagaa tatgaatatg aattctcaga catgaattct 240
tgccagacac tactcaatcc agtggagcag gggagctggg actctcccn gatggcaata 300
gggagccaca gaggtgtgtg gagcaggggc agaattgaggt cagatgtgcc tgtcagaaa 360
ccctgcagcc ccatctcatc cagg 384
```

<210> 1531
 <211> 485
 <212> DNA
 <213> Homo sapiens

<210> 1535
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 1535
 cgaaagggga gttcaaggag acggggggcga cgcggctgag ggcttctcgt cgggggtcggg 60
 gctgcagccg tcatgccggg gatagtggag ttgcccactc tagaggagct gaaagtagat 120
 gaggtgaaaa ttagttctgc tgtgcttaaa gctgcggccc atcactatgg agctcaatgt 180
 gataagccca acaaggagtt tatgctctgc cgctgggaag agaaagatcc gaggcggtgt 240
 ttagaggaag gcaaactggg caacaagtgt gctttggact tctttaggca gataaaacgc 300
 cactgtgcag agccttttac agaattattg acttgcattg attatactgg 350

<210> 1536
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 1536
 ccacggcgct tggaatcctg gttgttgctg gatgctcttt tggatatctcc taatcgcaaa 60
 aaaagtgaca gcctgaagca gccacaaaat cctgtgttag aagcag 106

<210> 1537
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 1537
 cctggtctcc acgagctccg tgtcctgggt ctggctctcc ccatcccgtc gccaggtcag 60
 tgtgatctcc gcagggtaga agcccagggc ccagcacctc aggggtggcct catggtcaga 120
 gatggggtgg tgggtcataat gtgtcttggg ggggtccgtg cgctgcagcg tctccttccc 180
 gttctccagg tatctgcgga gccactccac gcacgtgcca tccaggtagg ctctcaactg 240
 ctccgcctca tgggcgcgct cccacttgcg ctgttgatc tgagccgcca tgtccgcgcg 300
 ggtccaagag cgcaggctct cgttcagggc gatgtaatcc ttgccgtcgt aggcgtcctg 360
 ccggtacccg cggaggaagc gcccgctccg cccacgctc cagccataca ttatctggat 420
 ggtgtgagaa ccggcctcgc tc 442

<210> 1538
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 404
 <223> n = A,T,C or G

<400> 1538
 ctgaagagtc aacttggggc tggaggactg ataaagtgtg tgattttgag ggcctctaaa 60
 agtattaaag cagcagcagc cgctgcacgc agacatgagg gctaggctaa aacagtaagg 120
 tcaagttggt tggacagaaa ggctacaggg tgtggctcctg gctcttgtgt aagaattccg 180
 accacgctaa ccatgcctag gaaggaaaag agttgttgtt ttgtagaagg tgctgggggtt 240
 tgagagatca gtcggacacg attggcaggg aaagcacgtg tgcttttacg agaattacgc 300

<213> Homo sapiens

<400> 1542

```
ctgagagcac tgactcaggc ggggcaccct caccaagtaa gcagggggca ttcagcatgc 60
cctctgtgtc tgaccagag agaggggact gaaaataaac cctcttttgc tctgtggctg 120
gcccactggc tcaacatgag cgcttggtt ggctgtgcct catgagagag ggagggagag 180
agaggcttct tgggccagag atgtttctgg gagggtttgc cagccttgtc ttgagccatc 240
agtgtggcag gggagcacag ggtgttaggt ggagacactg cggaggccac gtgaaagtgg 300
cagctagctc tactttcaaa agagaagcag tggttcagtg accctgagca ttctgtgtgc 360
aggagggagc tgcctggaca gcaagtcatc actgcctctg aatacacaca aaggaggctg 420
cctgtccagg                                     430
```

<210> 1543

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 207

<223> n = A,T,C or G

<400> 1543

```
ctggaagaac aattaagaat aatggatcag accttgaaag cattaatggc tgcagaggat 60
aagtactcgc agaaggaaga cagatatgag gaagatca aggtcctttc cgacaagctg 120
aaggaggctg agactcgggc tgagtttgcg gagaggtcag taactaaatt ggagaaaagc 180
attgatgact tagaagagaa agtggcncat gccaaagaag aaaaccttag tatgcatcag 240
atgctggatc agactttact ggagttaaac aacatgtgaa aacctcctta gctgcgacca 300
cattctttcg tcttgttttg ttttgttttg ttttt                                     335
```

<210> 1544

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29, 397, 398

<223> n = A,T,C or G

<400> 1544

```
aaattttaga aaacctgtat aaattactng tgcataactt aaagattatt ctgccttttg 60
ctaattgagt aattcccttc cagcactaga gaccgctcag tgctcttact agatgaactc 120
agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctatct cacggcaatg agccttttct tttctacact gaagattttc ttcttattta 240
atgtggttta ttttgggctc agaaataatt gctctgttga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca ttttgaaagg accatgagca actataagca aagccataag 360
aagtgggttt gatcgatata ttaggggtag ctcttgnntt ttgttaacat taagataagg 420
tgactttttc cccctgctt ttaggattaa aatcaaagat acttctatat ttttatcact 480
atagatcata gttattata                                     499
```

<210> 1545

<211> 95

<212> DNA

<213> Homo sapiens

<400> 1545

```
ctgcatgatg aagttcactg tcaaggactg tgatcccacc actggggaga ctgatgacga 60
aggctatgag gatgagtatg tgctggaaga tctgg                      95
```

<210> 1546

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1546

```
ccttgcgccct gctaggaagt ggcacatctt cctgctcagg gcaccaaggt gggttcagaaa 60
cgtttaaggac gagccacagc gaaaagccgc agtcctcaca ggcaagaagg gataaataaa 120
tatgaggtga cccgcagcag ctctcacctg ggctggtgtg tcacaaccct gacccacccc 180
taaaaaaaaa aaaatcaaga agcaacatcc taaggagaac agggccctac tctacacagc 240
cctttctgag atgatcggca tacagcaggt gatgcaggct gcacactcag cagattcagc 300
ggctggaaac agcaagtggg tttcttcgga tgaaagggaa gaattcagtc caactgcagg 360
aggggtggga gaggttcag atcctgggaa ccacatcacc agacctcggc cctttttgcc 420
aagtgacccc cccccaccc tgatgtggtc tacagggccc                      460
```

<210> 1547

<211> 476

<212> DNA

<213> Homo sapiens

<400> 1547

```
ctggggccac tgtcggcatc atgattggag tgctggttgg ggttgcctctg atatagcagc 60
cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
tttgcaacag ctacagtcta aaattgcttc tttaccaagg atatttacag aaaagactct 180
gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccatctctac taaaaataca 240
aaaatgagct gggcttggtg gcgcgcacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaacccgg gaggtggaga ttgcagttag cccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaac      476
```

<210> 1548

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1548

```
ctggaacaga tgctcactgc gctggaccag atgcggagaa gcatcgtgag tgagctggcg 60
gggcttttgt cagcgatgga gtacgtgcag aaaactctca cggacgagga gctggctgac 120
tggaagaggc ggcaacagat tgctgcatt ggaggccgc ccaacatctg cctagatcgg 180
ctagaaaact ggataacgtc attagcagaa tctcaacttc agaccctgca acaaattaag 240
aaactggagg agttgcagca aaaagtttcc tacaagggg accccattgt acagaccgg 300
ccgatgctgg aggaga                      316
```

<210> 1549

<211> 162

<212> DNA

<213> Homo sapiens

<400> 1549
 aaaatatttt agataattct taaactatga acctttcttaa catcaactgtc ttgccagatt 60
 accgacactg tcacttgacc aatactgacc ctctttacct cgcccacgog gacacacgcc 120
 tcctgtagtc gctttgcta ttgatgttcc tttgggtctg tg 162

<210> 1550
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 1550
 ctgtgccggg tggaggagat gcgccagtcc ctgagaatta tcgcacagtg tctaaacaag 60
 atgcctcctg gggagatcaa ggttgatgat gccaaagtgt ctccacctaa gcgagcagag 120
 atgaagactt ccatggagtc a 141

<210> 1551
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 1551
 aaaaaaaaca accaccaaaa aaaatcaatt ggctaaaaaa aaaaaagtat taaaaacgaa 60
 ttggctgaga aacaattggc aaaataaagg aatttggcac tccccacccc cctctttctc 120
 ttctcccttg gactttgagt caaattggcc tggacttgag tccctgaacc agcaaagaga 180
 aaagaagggc cccagaaatc acaggtgggc acgtcgtgc taccgccatc tcccttctca 240
 cggaattttt cagggtaaac tgg 263

<210> 1552
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 1552
 ctcttttata aagctgatgt tctgagcgaa gaagcaatac tgaaatggta taaggaagca 60
 catgttgcta aaggcaaaag tgtttttctt gaccagatga agaaatttgt tgagtgggta 120
 caaatgcag aagaagaatc cgaatcggaa ggtgaggaaa attaaatggc tcaacaagca 180
 caatacctag gttaccacac accacttttt gattgggaat gctgaaccat ttgagaagag 240
 aaacttggct tctgttttctg caaaggaaaa aaaaaatagg ataggcttcc cttgtgcaga 300
 gggagaaatg gctttgtttt tgttttgttt tt 332

<210> 1553
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 365
 <223> n = A,T,C or G

<400> 1553
 tttttttttt ttttttttat gtgttgctgt gcaggtagag gcttactaga agtgtgaaaa 60
 cgtaggcttg gattaaggcg acagcgattt ctaggatagt cagtagaatt agaattgtga 120
 agatgataag tgtagagggg aggttaatgg ttgatattgc taggggtggcg cttccaatta 180

<400>	1557					
ctgcagcctg	ggactgaccg	ggaggctctg	accattttacc	caccacaggt	aggttgtgtt	60
ctgaacctca	ggttcacagg	tgaaggccac	agcatccttg	tcctccacgg	ggttgagggt	120
gttgctggag	atggaggggct	tgggcagctc	cgggtataca	tggaaactgtc	cggttgcttc	180
ttcattcaca	agatctgact	ttatgacttg	tagggtatag	aatcctgtgt	cattctgggt	240
gacgtttctg	atcagcaggg	atgcattggg	gtatattgtc	tctcgaccac	tgtatgcggg	300
ccctggggta	gcttggtgag	ttcctattac	atatcctaca	attagactgt	tgccatccac	360
tctttcgct	ttgtaccag					379

<210> 1558
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 1558
 gctgtctagt tttgtttttg ttttgagatg gagtttctact cttgttgccc aggttggagt 60
 gcaatggcac aatctcagct cactacaacc tccgccttcc aggttcaagc aattctccta 120
 cctcagcctc ccaagtagct gggattacag gcatgcacca ccatgcctgg ctaatatattt 180
 tttgtatttt tagtagagat ggggtttcac catgttgg 218

<210> 1559
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 354
 <223> n = A,T,C or G

<400> 1559
 aaaatgtttt atttcatagc tcataaaaaa gtatgtatgt acaagactca agtaaataga 60
 aaggcagctt tcaatcacaa atcagttttt cagattttac tgtggaagca tatttaaatgc 120
 acacatttga atgttacaca taaataattt taacgatgga gtccaagtgc tggattttac 180
 attagatctg catatataag acacttgtgg tcaaatttca agattggtaa agccagtttc 240
 aagctgctta tattttgagt acaggtttca ctattacaaa tatatgatgt taaactaaca 300
 aactcatgac cttcaaagat gtcttcgtcc cacgcacaca catttgtaat ttgngtccat 360
 ttgctatttc ccttccttcta taatcttcaa attatatagt tatgcattga gttccctatg 420
 catctcacco atctccttta tctcagcctt ctcatacttt gccattctct tctttctgga 480
 a 481

<210> 1560
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 17, 18, 60, 86, 124
 <223> n = A,T,C or G

<400> 1560
 nnaaaagaaa aagaagnnaa aagatggaac tgagaaagaa aaggatatta aaggactcan 60
 caaaaagaga aagatgtatt ctgaanataa acctttatca tctgagtcct tgtcagaatc 120
 agantatatt gaggaggtgc aagcaaaaaa gaagaaa 157

<210> 1561
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 1561
 ctgtttcagc accttcgtct ggctgggtctc tcggatttctg ccagccagga acatctcgtc 60

<220>
 <221> misc_feature
 <222> 415, 416, 432
 <223> n = A,T,C or G

<400> 1565
 aaatgaagga tttaccatta agaaatcaac atgtgcacaa aaagagtaaa aattaccaaa 60
 aaattaaaga ttttttgga caattcacat gttcaaaatt taagaatgat ttaaactgtg 120
 caagtacaaa tgtctttcct attataataa cccatataca ggttgcaacta ttccacatca 180
 aggaacttgc ctcttacgga agcaaactct gcttttagaa aaacaaacag tagcttgaaa 240
 agaacagtta gtccttacaa gaaagtctta aactttgccc tctgtggtg ttagccaaaa 300
 aaccataagc acttcaggct ttgtacagaa gacaaacaca gccagatcac atttctcct 360
 cattgtctaac ctttaaaata aaaatagcac tagattttta aactacttca tgtannctgt 420
 cagtactgaa tnatgtcaca ttatataaat aacctgttaa cgagattcaa tatctaaact 480
 ttatagttaa ctagtgcga aggtaataca ccat 514

<210> 1566
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 418, 432, 503
 <223> n = A,T,C or G

<400> 1566
 ccatgagctg agttgtgact tctgggaact aattgggttg gcccctgctg gaggagctga 60
 caacctgac aatgaggagt ctgacgttga tgtccagctc aacaacagac acatgatgat 120
 ccgaggagaa aacatgtcca aaatcctaaa agcacgatcc atggtcacca ggtgcttttag 180
 agatcacttc tttgataggg ggtactatga agttactcct ccaacattag tgcaaacaca 240
 agtagaaggt ggtgccacac tcttcaagct tgactatttt ggggaagagg catttttgac 300
 tcaatcctct cagttgtact tggagacctg cctcccagcc ctgggagatg ttttttgtat 360
 tgctcagtc taccgggcag agcagtcag aacacgaagg cacctggctg agtacacntc 420
 acgtggaagc tnatgtcct ttcctgactt ttgacgacct cctgaaccgg ttggaggact 480
 tggtttgtga tgtggttagat cgnatatt 508

<210> 1567
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 1567
 ccaagtcttc acaaaccctt gcaacattgc ctgaagttta tggaataaga tgtattctca 60
 ctcccttgat ctcaagggcg taactctgga agcacagctt gactacacgt catttttacc 120
 aatgatcttc aggtgacctg ggctaagtca ttt 153

<210> 1568
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 1568

```

gacctgccccg tgaagaggcg ggcatgacac agcaagaaga gaagacccta tggagcttta 60
atttattaat gcaaacagta cctaacaaac ccacaggtoe taaactacca aacctgcatt 120
aaaaatttcg gttggggcga cctcggagca gaacccaacc tccgagcagt acatgctaag 180
acttcaccag tcaaagcgaa ctactatact caattgatcc aataacttga ccaacggaac 240
aagttaccct agggataaca gcgcaatcct attctagagt ccataatcaac aatagggttt 300
acgacctcga tgttgatca ggacatccca atgggtgcagc cgctattaaa ggttcgtttg 360
ttcaacgatt aaagtcctac gtgatctgag ttcagaccgg agtaatccag gtcggtttct 420
atctacttca aattcctccc tgtacgaaag ga 452

```

<210> 1569

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 438

<223> n = A,T,C or G

<400> 1569

```

ccagtgaagg caccaacatc ccaagtccgt tgggtgcgcca gattgacaag cagttttctga 60
tttgacgtat atgcctggaa cgttacaaga atcccaagggt tctccctgt ctgcacactt 120
tctgtgagag gtgcctgcag aactacattc ctgcccacag ttttaacctc tctgcccag 180
tgtaccgcca gacctccatc ctgcccagaga aaggggtggc cgcgctccag aacaatttct 240
tcatacaaaa cctgatggac gtgctgcagc gaactccagg cagcaacgct gaggagtctt 300
ccatcctgga gacagtcact gctgtggctg cgggaaagcc tctctcttgc ccaaaccacg 360
atgggaatgt gatggaattt tactgccagt cctgtgagac tgccatgtgt cgggagtgca 420
cggaggggga gcacgcana g caccacacag ttccactcaa ggatgtggtg gaacagcac 479

```

<210> 1570

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1570

```

aaaataaaga ggcgccaata cccgttcatt tatgtattag aagtctcgta taatcaccaa 60
taaaacagaa atagcatctg tgatcacaca acggagaaaa aagatcaaga gacaacctta 120
gccactgtaa aactgtactt gaacactcag atgctctggc taagtcagaa tctaaagatt 180
tgctaataag gttttatttg tttagcatag tcccatggcc tttgtctata actgatattg 240
ggaaaccgtt cccaaggaaa tttaagaaac cattctgaaa ttctgccttt gatgtacatt 300
ataattaaat gtgactgtta taaacgttgc ctctatcata ttatcttttg taaagtggag 360
gcaaagagag acaaaaagca tcctcctgga ctgctgacat gcagaaagca tcagcaatga 420
tagggttgtg acagcattta tggagtttct agggcagggg ggacagaatg ctgtatctca 480
gcatctttgg ttaaggtctg gcctc 505

```

<210> 1571

<211> 469

<212> DNA

<213> Homo sapiens

<400> 1571

```

ctgagtacaa gggtatcact gtgatagaac ctggactgct ttttgagata atagagatgc 60
tgcagtctga agagacttcc agcacctctc agttgaatga attaattgatg gcttctgagt 120
caactttact ggctcaggaa ccacgagaga tgactgcaga tgtaatcgag cttaaaggga 180

```

```
<210> 1572
<211> 361
<212> DNA
<213> Homo sapiens
```

```
<210> 1573
<211> 295
<212> DNA
<213> Homo sapiens
```

<400>	1573						
ttgtacaagc	tttttttttt	tttttttttt	ttttttttat	ctcatgcggt	ccattttattt	60	
tgtctctcaa	attttaggaa	tcttctcctt	taattaactc	atcaacctct	catgggaaga	120	
atttgagaaa	gtaaatttat	actcaggttc	taattttaat	aggggaaggaa	gaagttacag	180	
ctcagtgcac	catgaagttg	anacaganat	ggagacacct	cagccccacc	tnntntggaac	240	
aqaaaaatg	attggggagg	gagcacaggt	cancgtggga	agaggggtcat	ggtgg	295	

```
<220>
<221> misc_feature
<222> 473
<223> n = A,T,C or G
```

```

<400> 1574
cgacattcca gaaaatgtcg acattactct gaagggagcg acagttatcg tggagggccc 60
cagaggaacc ctgcgagggg acttcaatca catcaatgta gaactcagcc ttcttgaaa 120
gaaaaaaaaag aggtccggg ttgacaaatg gtggggtaac agaaaggaac tggctaccgt 180
tcggactatt tgtagtcatg tacagaacat gatcaagggt gttacactgg gcttccgta 240
caagatgagg tctgtgtatg ctcaactccc catcaacggt gttatccagg agaatgggtc 300
tcttgttgaa atccgaaatt tcttggtga aaaatacatc cgcagggttc ggatgagacc 360

```



```

aggtgttgct tgttcagtat ctcaagccca gaaagatgaa ttaatccttg aaggaaatga 420
cattgagctt gtttcaaatt cagcggtttt gattcagcaa gccacaacag ttnaaaacaa 480
ggatatcagg aaatttttgg atggtatcta tgtctctgaa aaaggaactg ttcagcaggc 540
tgatgaa 547

```

```

<210> 1575
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<400> 1575
ccacatcatg tcacttacac ccacaacagc tctgaaagga gtatttgatg aacacatctg 60
agccaagagc ccagagtctc tctccaaggc catgcagttt gttcactgat gggacagtcc 120
ctcaaaacag ccacgctaag tagacagata cagtctcccc aaatgttacc aatcttactc 180
cccttgaaaa caggcagagt gaagtgcaat gaaagacaag ttaattaaaa agccactcac 240
aactggcagt aaattttaat gattgataaa atgcttaaaa taattttatg tatcagaaac 300
aaggaacagc ttgttacttt ttcaatgatc tcaggaattt tgcagacaca aaatctccat 360
tattcagctc cattt 375

```

```

<210> 1576
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<400> 1576
ccaatgcagc agggacatct gcctgggaag gaagttagga tgccccatag gtcaccagca 60
ccaccatcat gaacagggac agtaactcca gccctggccg aaatgaaatc cacatggaaa 120
tccaaatgca agaccacag taccaagatt tggatcatgt attgatocca gattcctcaa 180
atgaagactg ggctgtcagg catgtgtatc ccaaataat gctatgtcat gccctgcccc 240
aagtgatgta gtagtagact ttccaagccc caaagatttg tcaagttact catttcatca 300
tccctcgagg taccttatga ataccttttt ttttcttttt tttgagatga agtctcgctc 360
tgtcgcccag gctggagtgc agtggcgtga tctcggtctc ctgcaacctc cgtctcccgg 420
gttcgcgcca ttctctgcc 440

```

```

<210> 1577
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<400> 1577
ctgctggaat catataggtc attaaccttt ggctatatgg cagaagcgtt tgggtgttgg 60
gtggaattca ttgatcagga actgtccagg ttatttgctg ccgggagact acactgcaaa 120
atagataaag tgaatgaaat agtagaaacc aacagacctg atagcaagaa ctggcagtac 180
caagaaacta tcaagaaagg agatctgcta ctaaacagag ttcaaaaact ttccagagta 240
attaatatgt aaagccatgt aactaacaaa ggatttgctt tagagataat tatttggaat 300
ttttatagct tacttcacaa tgtgccagg tcagtggaat ttattatatt aacctctgaa 360
aacactgacc aaatcaagcc tcatatTTTT aagtgtctaca tataaccttc accagtgtga 420
tttacataaa tatttcctat gttatagatc atgaaaatat aaaaataagc tagg 474

```

```

<210> 1578
<211> 374
<212> DNA
<213> Homo sapiens

```

```
<210> 1579
<211> 397
<212> DNA
<213> Homo sapiens
```

```
<210> 1580
<211> 529
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 490, 511  
<223> n = A,T,C or G
```

```
<210> 1581
<211> 393
<212> DNA
<213> Homo sapiens
```

<400>	1581							
ggcgcctctcc	gaacgcaca	tgaaggtgct	ccttgccgcc	gcctcatcg	cggggtccgt	60		
cttcttctcg	ctgctgcgg	gaaccttctg	ggccgatgag	aagaagaagg	ggcccaagt	120		
cacgctcaag	gtgtatttg	acctacga	tggagatgaa	gatgtaggcc	gggtgatct	180		
tqgtctcttc	ggaagactg	ttccaaaaac	agtggataat	tttgtggcct	tagctacagg	240		

```
<210> 1582
<211> 317
<212> DNA
<213> Homo sapiens
```

```
<210> 1583
<211> 272
<212> DNA
<213> Homo sapiens
```

<400>	1583					
ccacatcggc	agggtcggag	ccctggccgc	catactcgaa	ctggaatcca	tcggtcatgc	60
tctcgccgaa	ccagacatgc	ctcttgctct	tggggttctt	gctgatgtac	cagttcttct	120
gggccacact	gggctgagtg	gggtacacgc	agggtctcacc	agtctccatg	ttgnagaaga	180
ctttgatggc	atccaggttg	cagccttggt	tggggccaat	ccagtactct	ccactcttcc	240
agtcagaqtg	qcacattctg	aggtcacggc	ag			272

```
<210> 1584
<211> 250
<212> DNA
<213> Homo sapiens
```

```
<400> 1584
ctgcaggtag acgtgatctt tctcagggcc acagcctctt ccttctcgga tctccagagt 60
catggaccga gacaccacat ctctagacgc caggtccttc gcgacagggg cgtatcgctc 120
cataaacctt tcgccttgac tggttaatgag aatgcctccc tctccacgac atccttccgt 180
aatgagacaa ccagcaccat atatgcctgt ggggtggaac tgaacaaact ctaggctctg 240
qcaaggaagg                                     250
```

```
<210> 1585
<211> 428
<212> DNA
<213> Homo sapiens
```

```
<400> 1585
aaaaacaaaa ggttgatata ctataaaata agatgcttca gtgcagctcc aaaaaccttt 60
ataaatacag ccatttgga ggaacgatcc ggatcagaaa ttattccttg tgtatctata 120
```

```
<210> 1586
<211> 265
<212> DNA
<213> Homo sapiens
```

```
<210> 1587
<211> 345
<212> DNA
<213> Homo sapiens
```

```
<210> 1588
<211> 441
<212> DNA
<213> Homo sapiens
```

```
<210> 1589
<211> 438
<212> DNA
<213> Homo sapiens
```

<400> 1589
ccagttttgtg cagttccagt agtgactgat tcacattttt ttccaaatgt aatgcacact 60

```

ccattgcatt cagcccgcctc tcccagtcac cacagtctgg tttcttgata tcctgaagga 120
agattcggcc acctcggttg ttctgcagct tcatcagttt ctcagcatgt tccctctcct 180
catgagattg gtgaagaaaag tatttggaag agttcttcaa agccacatca tcgcgggtcaa 240
agtagtaaga ctgaaagggg aacactgaat gtgttatact agggatcccc agagacaggt 300
agctgtgacg atctacaggg aggcaagatg gtctcgctcag cctaggcttc ctttctcaaa 360
gcacagcatg aaggaatcag tgcctaagga gactgggggg cagatgagct actggattga 420
acccaagagt aatgtttc                                     438

```

<210> 1590

<211> 446

<212> DNA

<213> Homo sapiens

<400> 1590

```

gccgccgctt gtgctgcagc catgtctcta gtgatccctg aaaagttcca gcatatatttg 60
cgagtactca acaccaacat cgatgggcgg cggaaaatag cctttgccat cactgccatt 120
aagggtgtgg gccgaagata tgctcatgtg gtgttgagga aagcagacat tgaccccacc 180
aagagggcgg gagaactcac tgaggatgag gtggaacgtg tgatcaccat tatgcagaat 240
ccacgccagt acaagatccc agactgggtc ttgaacagac agaaggatgt aaaggatgga 300
aaatacagcc aggtcctagc caatgggtctg gacaacaagc tccgtgaaga cctggagcga 360
ctgaagaaga ttccgggccc tagagggctg cgctcattct ggggccttcg tgtccgaggc 420
cagcacacca agaccactgg ccgccg                                     446

```

<210> 1591

<211> 131

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 11, 18, 37, 42, 68, 81, 87

<223> n = A,T,C or G

<400> 1591

```

ccagcggccn nccgggcnng tccacttcca tgccctntcc anaccaggag acacctgctg 60
ctgacctngt ggaaaactta nattnnaca ttctgatgct tcggaagtgg tggtccctcc 120
tccctcacc c                                     131

```

<210> 1592

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 502

<223> n = A,T,C or G

<400> 1592

```

cgacgaagga gtaggtggtg ggatctcacc gtgggtccga ttagcctttt ctctgccttg 60
cttgcttgag cttcagcgga attcgaaatg gctggcggtg aggtcggaaa ggactccgga 120
aaggccaaga caaaggcggt ttcccgtcgc cagagagccg gcttgcatgt cccagtgggc 180
cgtattcatc gacacctaaa atctaggacg accagtcatg gacgtgtggg cgcgactgcc 240
gctgtgcaca ggcagccat cctggagtac ctcaccgcag aggtacttga actggcagga 300

```

```

aatgcatcaa aagacttaaa ggtaaagcgt attaccctc gtcacttgca acttgctatt 360
cgtggagatg aagaattgga ttctctcatc aaggctacaa ttgctgggtg tggtgtcatt 420
ccacacatcc acaaattctt gattgggaag aaaggacaac agaagactgt ctaaaggatg 480
cctggattcc ttgttatctc angactctaa                               510

```

<210> 1593

<211> 554

<212> DNA

<213> Homo sapiens

<400> 1593

```

aaactttata attactttta tatttttgat aactagaaat ctagtattgc cataaaggaa 60
actaagtgcc catcaaagat ttgtttggta taaataaaga attatttggt ttgttttcaa 120
tgacagtaag ctacaaatca tgatgcttaa aaactttcta aagatgaatt gtgtggcagt 180
gattgggtctg tttgtggaga atgtatgaaa gctattaata ttctagaata gattaataaa 240
ttggctatgt tgttccaatg aatgtacagc acttccatta acttttgaaa gcaacacagc 300
cttaaactca atgcttttgc tttatgacat gggaatgttc tgtcatcaat ggagtgtatt 360
cttgtaatag aattctttat atcgttctca attctataga ctttcaagcc tatgtatgaa 420
tatgaagggg tttttttttt tgctttgttt tctttttaga ttttgtacat tccatcttta 480
taggtccgtt tcatatgttt tatgtataga acactaagtc ttgcactctc tgacattgat 540
actgatatat tctc                               554

```

<210> 1594

<211> 518

<212> DNA

<213> Homo sapiens

<400> 1594

```

cctgctggga gaagagaaca tgaatgggaa gctacagaag tattgaagga cagaagaaca 60
ggaaaatggg caggagagga aaggaaagga aaggaaagga aggtctgaac ttagcaagggt 120
aaattaagggt ccacgggtcc tgagggactg aacgcacaga gccgagaacg tcccgagat 180
gggggtaccac gaagggtgta ttctcatgca caaccgcagc tcggaatttc agcccacaca 240
cateccacct tgaaactctg tgttatcaag gccctgatg gcctccactg catcctctgc 300
ccgtcccatg tgtacgaagg cataatcttt cacgatgtca cattcgatga ccggaccata 360
ctctcaaac ttggctcgaa gctccttatt ggtgcagggt ggactgatgt tgcccacatg 420
caactttggt gaggttttgc tcttattctt gctggcttcc acgttgatgt tcaccccatg 480
aagcttgtaa tggtgcagggt tgcgtatggc atcctcag                               518

```

<210> 1595

<211> 500

<212> DNA

<213> Homo sapiens

<400> 1595

```

ccagtaaaat actattgcct catattgtcc tctgcaagct tcttgctgat cagagttcct 60
cctacttaca acccaggggt tgaacatggt ctccattttc aagctggaag aagtgagcag 120
tggtggagtg aggacctgta aggcaggccc attcagagct atgggtgctg ctggtgcctg 180
ccaccttcaa gttctggacc tgggcatgac atcctttctt ttaatgatgc catggcaact 240
tagagattgc atttttatta aagcatttcc taccagcaaa gcaaatgttg ggaaagtatt 300
tactttttcg gtttcaaagt gatagaaaag tgtggcttgg gcattgaaag aggtaaaatt 360
ctctagattt attagtctta attcaatcct acttttcgaa caccaaaaat gatgcacatc 420
aatgtatttt atcttatttt ctcaatctcc tctctctttc ctccacccat aataagagaa 480
tgttcctact cacacttcag                               500

```

[illegible]

<400> 1597						
ccaaccttcc	tgtgccccagc	ctgcagacag	gtggcctctg	gtgggtccag	gatctcacgg	60
tatccgatcc	catctacata	ttaccactgg	cagtcactgc	tacaatgtgg	gctgttcttg	120
agctagggtc	tgagacaggt	gtgcaaagtt	ctgaccttca	gtggatgaga	aatgtcatca	180
gaatgatgcc	cctgataacc	ttgcccataa	ccatgcattt	ccccacggca	gtgtttatgt	240
actggctctc	ctccaatttg	ttttccctgg	tccaagtatc	ctgtctccgg	attccagcag	300
tacgcactgt	acttaaaatc	cccagcgtg	ttgtacatga	cctggacaaa	ttacctccac	360
gggaaggctt	cctagagagc	ttcaaaaaag	gctggaaaaa	tgctgaaatg	acgcgtcag	419

```

<400> 1598
ccaattgatt  tgatggtaag  ggaggggatcg  ttgacctcgt  ctgttatgta  aaggatgcgt  60
agggatggga  gggcgatgag  gactaggatg  atggcgggca  ggatagttca  gacggtttct  120
atttcctgag  cgtctgagat  gttagtatta  gttagttttg  ttgtgagtg  tagggaaaagg  180
gcatacagga  ctaggaaagca  gataaggaaa  atgattatga  ggcgtgatac  atgaaagggtg  240
ataagctctt  ctatgataag  qqaagtacgc  tcttgtagac  ctacttgccg  t              291

```

<400> 1599						
aaaccttttt	ggcttaaaca	gaatttttagc	atcagaacta	gctttctggg	attggaggca	60
aaccatcaag	gtggtcctc	tccagttctgg	acacgatgcc	agcaaggatg	acgtcctgcc	120
acctcctgga	gttaccctg	cctcctaggg	tccctttttc	tgatgaagt	ttaattccct	180
aaaagcgct	ctttggacac	tgaggecctc	tctgcctttc	ctggcctcgg	gcaacagttt	240
tttacaaga	ttttttgcag	tcgagtcct	atgtccaccc	attgattttt		290

```
<210> 1600
<211> 294
<212> DNA
<213> Homo sapiens
```

<400> 1600
 attaagttca atgtatggga cacagccggc caggagaaat tcggtggact gagagatggc 60
 tattatatcc aagcccagtg tgccatcata atgtctgatg taacatcgag agttacttac 120
 aagaatgtgc ctaactggca tagagatctg gtaocagtggt gtgaaaacat ccccatgtg 180
 ttgtgtggca acaaagtggga tattaaggac aggaaagtga aggcgaaatc cattgtcttc 240
 caccgaaaga agaattctca gtactacgac atttctgcc aagtaacta caac 294

<210> 1601
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 171, 180, 197, 215, 376, 404, 420
 <223> n = A,T,C or G

<400> 1601
 tttttttttt ttttttttgt tttttttttt ttaattcttc agctaaaaca gcggaagagg 60
 tgatttatta tatggttggt acaactcgcc acaataaac acagaaatag tccagaatgt 120
 cacaggtcca gggcagagga ccaacatggg cattttgttt atgagcaagg ngggtctcan 180
 aggtgatcgg cgatcanagg gcgatgaagt tctanatcca ttgagacaag ctctagacag 240
 tagcatgcag tcccacaact tgtaccagca tccccagcgt ctggcattcc atgtttctgc 300
 tcctgtggcc tccacggtgc aacaagctag cggtttactt ggacctctgc ctcatcttc 360
 ttcttttgcg cttcancctg cgcattcgct tcttcctcca cttngctctc atggcggcac 420
 aggtttccaa aaaaa 435

<210> 1602
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 1602
 gacgtctca gctctcggcg cacggcccag cttccttcaa aatgtctact gtacacgaaa 60
 tcctgtgcaa gctcagcttg gaggtgatc actctacacc cccaagtgc tatgggtctg 120
 tcaaagccta tactaacttt gatgctgagc gggatgcttt gaacattgaa acagccatca 180
 agaccaaagg tgtggatgag gtcaccattg tcaacatttt gaccaaccgc agcaatgcac 240
 agagacagga tattgccttc gcctaccaga gaaggaccaa aaaggaaact gcacacgac 300
 tgaagtcagc cttatctgg 319

<210> 1603
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1603
 ctgcctgggc ccggaagggc tttggttctt tctctgggtc tgattttctc actgaactcc 60
 accgaccaac tgccctaagc cccaggggcc tccagggccc aggttcgaga cccaaacccc 120
 caaaatccaa aacttctctt gaaaagtcca gggaccgtcc aggggagatg gggaggagat 180
 atggagttag tcacctgctc cagaagatgc cagcttctct ctccagggtg cttagttggc 240
 tttgccacc cctcactccc caggagctc tggggacagc ttcctcacac ccctgtccca 300
 cccacacag 309

<210> 1604

<211> 424
 <212> DNA
 <213> Homo sapiens

<400> 1604
 ctggataagg acatcaatac cttctctatg cgtgtcaggg agtgggtacgg gtatcacttt 60
 ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagttttatt 120
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
 ggggccaagg ctaaggctat tctggatgcc tcacggtcct ccatgggcat ggacatatct 240
 gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtcttt atctgaatac 300
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
 gccctaattg gggaagcggg aggtgcacgt ctcatcgcac atgctggcag cctcaccaac 420
 ctgg 424

<210> 1605
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 430
 <223> n = A,T,C or G

<400> 1605
 ctggatgtga gagacaacat ggtgaaactt aatgatggct ctcaaataac ctatgaaaag 60
 tgcttgattg caacaggagg tactccaaga agtctgtctg ccattgatag ggctggagca 120
 gaggtgaaga gtagaacaac gcttttcaga aagattggag actttagaag cttggagaag 180
 atttcacggg aagtcaaate aattacgatt atcgggtggg gcttccttgg tagcgaactg 240
 gcctgtgctc ttggcagaaa ggctcgagcc ttgggcacag aagtgattca actcttcccc 300
 gagaaaggaa atatgggaaa gatcctcccc gaatacctca gcaactggac catggaaaaa 360
 gtcagacgag aggggggttaa ggtgatgccc aatgctattg tgcaatccgt tggagtcagc 420
 agtggcaagn tacttatcaa gctgaaagac ggcaggaagg tagaaactga ccacatagtg 480
 gcag 484

<210> 1606
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 1606
 ctgtgatgtc ttggagaaac agtgtaaacc ggcatgtata agaagagcag ggcatgtatg 60
 agtagtttga aacgggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
 ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttggtga 180
 gctaataagg tgtcagggtc agtctaagtg aaggcaaaga gaggctggga tgaaggggtgc 240
 aaagcaatag taaagaaagc atgtctgaga tcc 273

<210> 1607
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 1607
 cacaaagcca gggccaggct ccccatccct acctcccact gcatcagcag tgggtgttcc 60

```

tgccttccct gagtctagge agctctgctg ctgtgatctg cacacctcc aacctaggca 120
gggactgggg ggatgcagtg tgtgttagtg cccatgtggc attgtggcac tgttgcccc 180
catggcggca tgggcaagat gaccttccat tagcttcaag tcttgttctc ttgtctgtgg 240
tctgtttaat atgtgggtca ctagggtatt tattctttct cccatcctta cactctggat 300
cattgtgcag acttaatcag ggttttaacg ctttcatttt tttttttttt gagctcaaag 360
agagttctca ttttccctat tcaaactaat acccatgccg 400

```

<210> 1608

<211> 279

<212> DNA

<213> Homo sapiens

<400> 1608

```

aaataccatc ctttgtctcc gttaaaagat tttcatccat ttattcaaaa accttttaag 60
ttcaactgtc caatttaaga cagagtgaag acatttttga gtatctgaac taagcattgt 120
cttgactgaa acgaagtaag aactcaatga gagtccttgt gggcctccca gtcatgcctt 180
tccgtagata gggaacttca tctttgttgg tcatcacgcc tgctatgtct aaatgtgccc 240
acttaggatg agttacgaat tctttcagga atgctgcag 279

```

<210> 1609

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1609

```

gttttatttc aataggtaaa acgtgcagtc ctatgtaatc gtcagaaggt aatcttaatt 60
atagcttggg tgtgctttaa actgcaagct ggcagtggag ggcacgattc ctctgatttc 120
agctttctcc ttatactttt ctggagctgt gagctgcaag ttaactcagt gggattaaag 180
tgtagactgg aggtacaaaa ggtgaggagt gaggagatag ggtagttctt ccttggtctg 240
ctggcttcac aatccctggg ccccgcatat aattaaatcg actttttctg tctcaggcat 300
ttgtatgacc tctttggagg ttccctgctg ggtagttatc cttgtatctg atggacccat 360
ctcaattt

```

<210> 1610

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1610

```

ccatgctggg ctggaactcc tgaccacatg tgggccaccc accttggcct caattatgtg 60
cattttggta tatttacttg tatttcaaca tcttgtgagt ttgaaaaacc tgaaaggcca 120
gaatgcttcc ttttatttct caccatttgg gcagcaccta agtggttttg taaaatgcag 180
catctggtgc tgtgggtctc tctcagg
207

```

<210> 1611

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 427

<223> n = A,T,C or G

```

<400> 1611
cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgcgtatag 240
aatgattggg gatggcctgg atacggtttt ggatgatttg agaagctaaa tggaagatac 300
aaggccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
ttacttnaag agttaagagt ggcagtttgg ggatagcacc 460

```

<210> 1612

<211> 133

<212> DNA

<213> Homo sapiens

```

<400> 1612
aaaatgtgaa ccttcaggta ttgagtaaca cctttatctt ggtatagaac tgatactttt 60
ttttgatttt gaaatatctg ataataattt ggaatgaagt aagggttctgt taaaatatat 120
ttgaagaccc ttt 133

```

<210> 1613

<211> 524

<212> DNA

<213> Homo sapiens

```

<400> 1613
cctagcagag aatcaccaaa tttatggaga gttaacaggg gtttaacagg aaggaagtgc 60
ctttagtaag ttctcaagcc agaggctgga ggcagcagct aaatcagagg acagcatcct 120
cagtgaaggt gagccattcg ggtggcatg tcaactccagg aataaacaca acttagaaac 180
aaatgatttc gtaggatagc acagtacat ggtgcaactgt gaacctgagg ccaactgtgtc 240
aaactgtgca ctggttgatg atagggagag ccaaaaatta tgtcctactg gtaatgagct 300
ttcaatggct cgatcctctc acactgaagc tctgtagagc agctcagagc cacaaccact 360
cccaacattg acccttcttg gggtagctgt ctgtggcagc ccacaggaag gagctggaga 420
tccccattag gactgtccac ccacacttga agccacaaaa ctgcagggat tggggctctc 480
actggttttg tgcctaact cccgcctaaa aggccacaaa tttc 524

```

<210> 1614

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 381, 391

<223> n = A,T,C or G

```

<400> 1614
ctggataagg acatcaatac cttctctatg cgtgtcaggg agtggtacgg gtatcacttt 60
ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagtttatt 120
ggaaaccgaa ggggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
ggggccaagg ctaaggctat tctggatgcc tcacggctct ccatgggcat ggacatatct 240
gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtctt atctgaatac 300
cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
gccctaattg ggggaagcggg nggtgcacgt nttatcgcac atgctggcag 410

```

<210> 1615
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 1615
 ctgtttgtgaa aagatgaagc aaaggaggca agaaaatgct taatttagca gacaagagaa 60
 tggacagtgt gatccttggt tgtgctagcc attgggtgat gcaccac 107

<210> 1616
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 129, 133, 221, 255, 346, 389
 <223> n = A,T,C or G

<400> 1616
 aaattnttgt ttaacttttt ttttttttga gacagagtct cactctgttg cctaggctgg 60
 aggacagtgg cacaatcatg gctgattgca gccttgacct ccttgactca attgacctc 120
 ccatctcanc ctnccaagta gctagggcta cagacatgtg caaccatgtt tggctaattt 180
 ttttaatggt tttttgtaga gatgaggtct tattatattg nccaggctgg ttttgaattc 240
 ctgggctcaa gcttnccaag tagctgcaac aacaggcaca caccaccatg ctcaactaat 300
 tttatttcta ttttttgtat agacaggggc ttgctatagt gtccangctg gtctgaaacc 360
 cttgagctca agtgatcttc ccacaccanc ctcccaaaat actgggatta caggcttgag 420
 cctccatgcc tggcccagggt aacatgttta ttgagct 457

<210> 1617
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 1617
 aaacattaga aagtgggaaa aaaaattcca ttttcttgct attataagcc aaaacaaaat 60
 ctagtgtaag tcaaggaaac tcattcacac ttcaggctct tctcctccag gaaccagcat 120
 tggtatatta tttccattta gcaaaatctg atctaattta gtaatccttc ttccttctgg 180
 tgtgatttca aactcagtga catcttccag taccatattg acaaagtcac caaatcctag 240
 aagagtacca acaatttcct tatcactctt catcacgatg tgaattcttg atcctataca 300
 tttgtccaca agctctaacg gcagcag 327

<210> 1618
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 1618
 ctgagccagg ccgaaggacc tccatgcact ggctcggggg cctctctcgg gacactcagc 60
 actttctcta ggcctctcca tctcactggg cagaggacag cccggaagcc tttttcactt 120
 tttcaaagta aactgctatc ttaagacaca aaaacatact tgtgggg 167

<210> 1619

<211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 480
 <223> n = A,T,C or G

<400> 1619
 ccaggcacga tctcggctca tggcaacctc tgcctcccg gttcaagcga ttctcctgtc 60
 tcagcctccc gagtagctgg gactacaggc gccaccacc acaccagct aaattttgta 120
 tttttagtag agatggggtt tcaccatatt ggtcaggctg gtctcgaact cctgatctca 180
 ggtgatccgc ccaccttggc ctcccaaagt gctgggatga caggcgtaag ccaccaagcc 240
 cagcgaagac tgcatttcaa aattgctcta caattaaaga aatgcactga tagtcttaaa 300
 aaatgaagtt gggggaaacc cagtgtgcct aaaagtacca tctatactgc tgacaccatg 360
 tcctgttcca ttttactagt ttttattggc gcacactggc aatttagtcc cagtcagtta 420
 ccaccaaatt agtatttctt ggtatattat cttttttttt cttttttttt tttttctgan 480
 acacagtctt gcacctgc 498

<210> 1620
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 192
 <223> n = A,T,C or G

<400> 1620
 cctgctagaa tcaactgccgc tgtgtctttcg tggaaatgac agttccttgt tttttttggt 60
 tctgtttttg ttttacatta gtcattggac cacagccatt caggaactac cccctgcccc 120
 acaaagaaat gaacagttgt agggagaccc agcagcacct ttcctccaca caccttcatt 180
 ttgaagtctg gntttttgtg ttaagttaat ctgtacattc tgtttgccat tgttacttgt 240
 actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgcttg 300
 acttt 305

<210> 1621
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 1621
 ccaccogttc tgctggcctg gatctcccca ctctaggggt caggctccat taggatttgc 60
 cccctcccat ctcttccctac ccaaccactc aaattaatct ttctttacct gagaccagtt 120
 gggagcactg gagtgcaggg aggagagggg aagggccagt ctgggctgcc gggttctagt 180
 ctcttttgca ctgagggccca cactattacc atgagaagag ggcctgtggg agcctgcaaa 240
 ctcaactgctc aagaagacat ggagactcct gccctgttgt gtatagatgc aagatattta 300
 tatatatattt tggttgtcaa tattaaatac agacactaag ttatagcaaa aaaa 354

<210> 1622
 <211> 498
 <212> DNA

<213> Homo sapiens

<400> 1622

```

ttgccttgca ctgtgggttac cataaaataa ctctcattgg catccaagct ttataaaaaac 60
atcttcattt tgctcaaaaaa gggcagtcaa tagatacaga gaagccaaac tgaacagcct 120
caataaaaata aaattaacac cagcagcgaa tcctcttgct gaagacttcg gctagagggc 180
acgtgcacca aagttctagg ctgttaaggg gccacccaca caccgtcctc gccttgaaca 240
caccagcttg gaaatcagtt atggatttta atggcctttt caaggtaagt gtagcgactc 300
ctctttgggg ctttgttgaa gtggtcgagc cctagccaag gccgaggatg agacatatta 360
ccgggctgtg gctcaaagtc ttccaaattt acttcatact cgtcttcatt tatgtactgg 420
tgtcggccca tcattacaat tgcaaattta aacttctcaa actccttctc ctggatgtcc 480
agcaggctct ggattcgc 498

```

<210> 1623

<211> 197

<212> DNA

<213> Homo sapiens

<400> 1623

```

ccaaggaccg caagagccgc aagaagcctg tggaggtgaa gaagggcaaa gaccccaatg 60
cccccaagag gcccatgtct gcatacatgc tgtggtccta tgccagccga gagaagatca 120
agtcagacca tcctggcatc agcatcacgg atctttccaa gaaggcaggc gagatctgga 180
aggaatgtc caaagag 197

```

<210> 1624

<211> 489

<212> DNA

<213> Homo sapiens

<400> 1624

```

aaaaaaaggc ccccagggca agttatttac agtttaattg ccaactgtcaa ctgatctgga 60
ccttgatcgg gaccgggacc tctggcgatc cacagatgct ggagacttag atctacttga 120
agaaccacgt ttctggctct tctcaggcac gggagacctt ctaacagaac gggacttgct 180
ccggctccgg ctctgtctcc tgcttcttga ccggctgtaa gatttgcgac tacgggaacg 240
ggatcgggcta cgagacctag aggaacttct ggtccgggat cgagacctgc ttcttgacct 300
actgtgcctt ttgtgcctt caattaattt tattttctc ccattttatt cctttccaga 360
aagtttttca atagcattct ttaagtcacc ataagaggca aactcaacca ccccttcatt 420
taatttaggt cgggtgtgat ccgcaaacgt tacttcccca gcttgtctca tgaaatcttt 480
gagatcctt 489

```

<210> 1625

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1625

```

aaaaaacacg tttgttatta ccaaaaagag acgtcttttag gtaaaaaataa taaaaacccc 60
atgctgcata gataatgcag atagttctat ttatctggtc aacgggcaaa aagcaagcac 120
tttaggtct 129

```

<210> 1626

<211> 434

<212> DNA

<213> Homo sapiens

```
<210> 1627
<211> 432
<212> DNA
<213> Homo sapiens
```

```
<210> 1628
<211> 421
<212> DNA
<213> Homo sapiens
```

```
<210> 1629
<211> 462
<212> DNA
<213> Homo sapiens
```

```
<400> 1629
aggatctttg atagttgaga aaattatgca aagttcctca gaagttgggtt atgatgctat 60
ggctggagat tttgtgaata tgggtgaaaa aggaatcatt gacccaacaa aggttgtag 120
aactgcttta ttggatgctg ctggtgtggc ctctctgtta actacagcag aagttgtagt 180
cacagaaatt cctaaagaag agaaggacc tggaatgggt gcaatgggtg gaatgggagg 240
tggtatggga ggtggcatgt tctaactcct agactagtgc tttaccttta ttaatgaact 300
gtgacaggaa gcccaaggca gtgttcctca ccaataactt cagagaagtc agttggagaa 360
aatgaagaaa aggctggctg aaaatcacta taaccatcag ttactggttt cagttgacaa 420
```

aatatataat ggtttactgc tgtcattggc catgcctaca ga

462

<210> 1630

<211> 220

<212> DNA

<213> Homo sapiens

<400> 1630

```
ccttgccggc atcctccttg cctctgtacc ttctcttccc atgtgtgaac gggatgtacc 60
ggtacttaat catgtgcttg atttgccctt tcatcgtgat acagaagagc atgatgaagt 120
acatcaccag aatcggccag aacaccggga cgttgaaagc gtogaagaaa gtacagacca 180
tagccacaag gatgcccttg gtagccgcat gccaaaattt 220
```

<210> 1631

<211> 504

<212> DNA

<213> Homo sapiens

<400> 1631

```
ccatcccctt atgagcgggc gcagtgatta taggctttcg ctctaagatt aaaaatgccc 60
tagcccactt cttaccacaa ggcacaccta caccocctat ccccatacta gttattatcg 120
aaaccatcag cctactcatt caaccaatag ccctggccgt acgcctaacc gctaacatta 180
ctgcaggcca cctactcatg cacctaattg gaagcaccac cctagcaata tcaaccatta 240
accttccctc tacacttatt atcttcacaa ttctaattct actgactatc ctgaaaatcg 300
ctgtcgcttt aatccaagcc tacgttttca cacttctagt aagcctctac ctgcaagaca 360
acacataatg accccaat ccatgccta tcatatagta aaaccagcc catgacccct 420
aacaggggccc ctctcagccc tcctaattgac ctccggccta gccatgtgat ttactttcca 480
ctccataacg ctctcatatc tagg 504
```

<210> 1632

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 315

<223> n = A,T,C or G

<400> 1632

```
cacggtggct cagcctgta atctcagcac tttggaaggc cggggcaggc ggatcacgag 60
gtcagaagat cgagaccatc ctggctaaca cagtgaagcc ccgtctctac taaaaatata 120
aagaattagt cgggcatggt ggcgggcgcc tgtagtccca gctactcggg agactgaggc 180
agaagaatgg cgtgaactca ggaggcggag cttgcagtga gccaggcga cagagcaaga 240
ctctgtctca aaaaataaaa aatagtgcac tgtccttcga gaaagttttc taacatctag 300
taatttgtaa cttanaagtg gagttgcctt gtggatgtct tttttgcatt ctgtaggaaa 360
tgaaacgtga atttaactcg ggttgcaaga aataaaaatg tcagtgcatt t 411
```

<210> 1633

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<400> 1633

<210> 1634

<211> 309

<212> DNA

<400> 1634

<210> 1635

<211> 414

<212> DNA

 $\langle 220 \rangle$

<221> misc feature

<222> 401

<400> 1635

<210> 1636

<211> 64

<212> DNA

<400> 1636

```
aaaggaagcc agcaccatag cagagtacat aagtggctat cagagaagcc agccgatatg 60
gatt 64
```

<210> 1637
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 1637
 ccagagcacg tgaggatctg caaaaaatga aacaatttgc tcaggatttt gtgatgcaca 60
 cagatgtcag aacctgctcg tcatctacta gtgtcattgc ggacctccag gaggatgagg 120
 atggtgttta tttcagctca tacgggcatt atgggataca tgaagaaatg ctaaaggaca 180
 aaatacgaac agaaagctac cgagatttca tataccaaaa tccacatatc ttcaaagaca 240
 aggtagtttt ggatgttggg tgtggaactg gaattctctc tatgtttgct gctaaagctg 300
 gggcgaagaa ggttcttggg gttgatcaat ctgaaatact ttaccaggca atggatatta 360
 taagactaaa taaacttgaa gatactatta cactaattaa aggaaagatt gaagaagttc 420
 atcttcctgt agaaaaagta gatgttatca tatctgagtg gatgggctat tttcttctgt 480
 ttgagtctat gttagattct gtcctttatg caaa 514

<210> 1638
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 1638
 cctgtgacaa gccacactgt cctccagaac ccatcgagct ttaggcaaaa tgtttttaggc 60
 atctgactaa ggagcccacc cgagtatgag taacagaagc caagatctga gctttctaga 120
 gggcagggcc tctttctagt cccagcctc ttctgtgtgt tgt 163

<210> 1639
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 404
 <223> n = A,T,C or G

<400> 1639
 cctacttttg aaacgactgc tgggtcaggt acttcttgca cacaggccac ctgaccattg 60
 caggctgcaa aatgtcaaag tcaactaaaa acttcatcac cattaagat gccttgaaaa 120
 agcactcagc acggcagttg cggctggcct tctcatgca ctcgtggaag gacaccctgg 180
 actactccag caacaccatg gagtcagcgc ttcaatatga gaagttcttg aatgagtttt 240
 tcttaaatgt gaaagatatc cttcgcgctc ctgttgacat cactggtcag ttgagaagt 300
 ggggagaaga agaagcagaa ctgaataaga acttttatga caagaagaca gcaattcaca 360
 aagccctctg tgacaatgtt gacacccgca ccgtcatgga agaatgacgg gccttggtca 420
 gtcagtgcaa cctctatatg gcagcccgga aagccgtgag gaagaggccc aaccaggctc 480
 tgctggagaa catcgccctg tacctcacc atatgctgaa gatcttt 527

<210> 1640
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 17, 262
 <223> n = A,T,C or G

<400> 1640
 attaggtttt ggcacanagc aggcgcctta tggaatgcag acacagaatt accccaaagg 60
 cggcctcctg gacagcatgt gtccggcctc cacaccagc gtactcagct ctgagcagga 120
 gtttcagatg ttccccaagt ctccggtcag ctccgtcagc gtcacctact gctctgtcag 180
 tcaggacttc ccaggcagca acttgaattt gctcaccaac aattctggga cgcccaaaga 240
 ccacgactcc cctgagaacg gngcggacag 270

<210> 1641
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 1641
 ctgatgtatt ttaatctggt tctgttctat cttgtaatta atttgggtggg ttctacttgt 60
 tttaacataa ataaagagta tgcagcacgt ttaataaaat cagaactctt aattggctta 120
 tgcccaggtc taggctgaga agtccttttt cttcttccca cctttatttc cttagtttct 180
 gtccacctta atcgaaacaa cacatgggta tgtctttttc ctgctacaac tacagggtac 240
 ttgagccttt cccctcaagt gcattcgaag tcaaccagga tgatcctcac tagtagcctg 300
 ctttggcagt gtggcttttt gcacaattgc cctgtcttcc tgagactact tcagtaagcc 360
 atgcttcctt cttcccccact tttattttggg gtcataaata gaaacttcca aatgtaacca 420
 tggaagctaa gtttggcctg ctttgctttt tagtctccac accatgggga gaactgctgt 480
 ctttactact tcatac 495

<210> 1642
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 407, 486
 <223> n = A,T,C or G

<400> 1642
 gcctgagcgg ggaagcccgc aaacagggtgg aggtcttcag acagaatctt ttccaggagg 60
 ctgaggaatt cctctacaga ttcttgccac agaaaatcat atacctgaat cagctcttgc 120
 aagaggactt cctcaatgtg gctgacttga cttccctccg ggccccactg gacatcccca 180
 tcccagaccc tccaccaag gatgatgaga tggaacaga taagcaggag aagaaagaag 240
 tccctaagtg tggatttctc cctgggaatg agaaagtcct gtccctgctt gccctgggta 300
 agccagaagt ctggactctc aaagagaaat gcattctggg gattacatgg atccaacacc 360
 tgatcccca gattgaagat ggaaatgatt ttggggtagc aatccangag aagggtgctgg 420
 agaggggtgaa tgccgtcaag accaaagtgg aagctttcca gacaaccatt tccaagtact 480
 tctcanaacg tggggatgct gtgg 504

<210> 1643
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 1643
 ctgaggaagc tcttcattgg aggggtgagc ttgtgaaaca ctgatgagag cctgaggagc 60

$\langle 220 \rangle$

<221> misc_feature
 <222> 421, 444
 <223> n = A,T,C or G

```
<400> 1647
cctggaagga ggggggcagg agacagccca gaagcagttc tgcaaggagg tttagcaggg 60
gtggcgcgga gatttgatcc ttggaagaaa tcctatgctg ctgggagttg agattcctga 120
gaattagaga gaaaagaact ttgggtgccc ttaggtaaata tatgtaaaca cactgagctg 180
tcttggtgct ccaggatttg gaaatggggc ctgggggcag taggagctgg tgctccagaa 240
gtcatatttg cgggaggttg tggggatgga aagggtgggt aagccctgac cctgaggggc 300
tcacatgact ttcagcacat ggagcctcca tggggacttt ggcttcaaag ccatcaagct 360
caagagtgtg ggcaagtgtg gagacagagg tgactctccc cagtggatgc tgaagaactt 420
naaagggtgac tctgtgggccc gggnacatcc ggcacag                               457
```

<210> 1648
 <211> 566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 208, 542
 <223> n = A,T,C or G

```
<400> 1648
aaagcaagaa acagaatgcg agtaatcaga aagcactagc aggcattcagt taatccaaga 60
tactagctct tagttccaaa agcacttgca aagaaaacct tttgggggga aggggtggag 120
agggatggaa gcactccata ataactggaa tcccatgagt gtgtatgcca agtctcatga 180
ggctattttt tgaattttatc ctttactngg tcatggtttt ttccctcaaa tacaattttt 240
ctttgacttt ttttctcaa agtataaaaa gtatgaaata taaacaagct cttgactgct 300
acacttagaa gtgtacaatt caagcattat agagctatct acacactgat aaatcccatc 360
gaatcttggg taattcatta atatacaaaa tatcagggca cagaaagaac taaaaccac 420
ttctttttgt tacacataag attcaaatat tcaatctaaa gaaaaacaca atcactttcg 480
ctctcttcta catctgcatg gtgatacact tattaataata ttctgtgata atcatgtttg 540
nggttactat ttcaagtcag gtttac                               566
```

<210> 1649
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 113, 122, 129, 149
 <223> n = A,T,C or G

```
<400> 1649
ggctggtctc gaactgtctt caagtgatcc acccacctcg gcctctcaaa gtgctgggat 60
tacagtctgt agccaccgag cctggctatg tgaagatttt gaggcacgct gancctacac 120
angcaggtng cgggtgcagc actccagcnc ttctctgaca ttaggttaca ctcaacttct 180
ctggcacctc tcctgtgcag ccaactgaat gttttgaggt ttctcctttc ttattcttcc 240
tttgaaagaa cccaacagc tcatcttctg gtataaattt gaaaacattt ttgctgaata 300
ttatat                                           306
```

<210> 1650
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 1650
 aaaaagaaaa gttgaattat ggtttccaga gcttttaggag tccatcttca ctgtaggtag 60
 caatcagggtt ctgatgaggg tgatgtgcaa taccaatcac atccttctcg tgcactgtca 120
 aagttctctc cagtttgcca gtgactgtac tgaacacagta gagcacaag cctccccta 180
 cacagtagat ccattcacca cggggagaga gggcacagca aacaaagtcc ccaccttctc 240
 ttttaccaga actgaagctt ctgacaatct gccctgcat gttcatgatg accaccgtgt 300
 ttgatctgtt gcacaccaca aagtgtctag ggtttttagg aagtagaatc acactgttga 360
 cggtaatatc tgtccctgcg gtgctgcccc gggattt 397

<210> 1651
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 1651
 ctgggcttcc atcaatagtt cattcaacttc tggactaaca ccatggaggg ggatacaact 60
 tcgtccagtt gagaaggggg agtgcaaata tgaggttctg ttgtcccagt catcaggcaa 120
 agaaaatgat gttgtgccag gaggttgaga taccttggtt gtgtctgaca cctgtcctgc 180
 tgaggcttgc catctgctat ataacagtcc tgagcccact cgatcttgca caaatttaag 240
 attccctgac gaaagcagtt gctgggctct gtgctgccag ttcacggttc tttcaatcat 300
 atatcgaagt gcatctccct caggaaggcg aactcggata cgctgaaggg aggcgagcag 360
 gggcagaatt ttctctaatt gaggtttctc tgacctccga caatggggac aaagccagat 420
 tcgcaggccc tgtgaaatac tgggtaccgc cacacaactg gtgtggaaag catccctgca 480
 gagttcacat tgaatcatag gggcag 506

<210> 1652
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 1652
 caccattatg cagaatccac gccagtacaa gatcccagac tggttcttga acagacagaa 60
 ggatgtaaaag gatggaaaat acagccaggt cctagccaat ggtctggaca acaagctccg 120
 tgaagacctg gagegactga agaagattcg ggcccataga gggctgcgtc acttctgggg 180
 ccttcgtgtc cgaggccagc acaccaagac cactggccgc cgtggccgca ccgtgggtgt 240
 gtccaagaag aaataagttc gtagg 265

<210> 1653
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 1653
 cttagcggct gctgttggtt gggggccgtc ccgctcctaa ggcaggaaga tggtgccgc 60
 aaagaagacg aaaaagtgcg tggagtcat caactctagg ctccaactcg ttatgaaaag 120
 tgggaagtac gtcctggggg acaagcagac tctgaagatg atcagacaag gcaaagcgaa 180
 attggtcatt ctgcctaaca actgccagc tttgaggaaa tctgaaatag agtactatgc 240
 tatgttggtt aaaactggtg tccatcacta cagtggcaat aatattgaac tgggcacagc 300
 atgcggaaaa tactacagag tgtgcacact ggctatcatt gatccaggtg actctgacat 360

364

```
<400> 1654
ccagatccat tttcagtggt ctggatttct ttttattttc ttttcaactt gaaagaaact 60
ggacattagg ccactatgtg ttgttactgc cactagtgtt caagtgcctc ttgttttccc 120
agagatttcc tgggtctgcc agaggcccag acaggctcac tcaagctctt taactgaaaa 180
gcaacaagcc actccaggac aagggttcaaa atggttacaa cagcctctac ctgtcgcccc 240
agggagaaaag gggtagtgat acaagtctca tagccagaga tggttttcca ctcttcttag 300
atattcccaa aaagaggctg agacaggagg ttattttcaa ttttattttg gaattaaata 360
cttttttccc tttattactg ttgtagtccc tcacttggat atacctctgt tttcacgata 420
gaaataaaggg aggtctagag cttctattcc ttgg                                     454
```

```
<400> 1655
aaattatgga agtggaaatt acaatgattt tggaaattat aaccagcaac cttctaacta 60
cggccaatg aaagagtggaa actttggtgg tagcaggaac atggggg 107
```

```
<400> 1656
ccatttggtca tcaactgggaa ccagagacac ccattccctac gccagcttga gccgtgcact 60
gcagacacaaa tgctgtatttt cttctcccag tcacctgatg agccagcagt atagaccata 120
tagittcttct actaaattga ctgcagatga gctgtggaaa ggcgcttttag cagagactgg 180
tgctggagca aaaaaaggaa gaggcaaaag aactaaaaag aagaaaagaa aggatctgaa 240
caggggtcag atcattggtg aagggcgtta tggttttcta tggcccgga c tgaatgtccc 300
tcttatgaaa aatggagcag tgcagaccat tgcccaaaga agcaaggaag agcaggagaa 360
ggtggaggca gacatgatcc agcagagaga agagtgggac cgaaaagaaga agatgaagggt 420
taaacgggag cgaggatgga gtggaaactc a 451
```

```
<220>  
<221> misc_feature  
<222> 41, 156, 236, 344, 421  
<223> n = A,T,C or G
```

<400> 1657
aaattcttca ttttaccagc aactgctgac atcaaagtct nccctcccc aacaacaaaa 60
atacaattaa aaaaaataaa taataaagtc atttgtgac gttgctgtgg ttctgagctg 120

```

caaaggcact ttcaaataca gaactacttg tacgtnatca taaaaccaat atacaaaaaac 180
aactcaagag tcaataaata taaataaaac tatgatctaa gactgcatca ccattnggac 240
atctggcaga agtgggagct caaagaccag ggggctgggc aggtctctgg gagcctgac 300
cgagaccgtg tcggtgcaa ggggacacac aaccagggtg ctgntgacta gctttttgca 360
tagctgtgag atgcggcact cgatttccca gcccaaccaca gaaactacca ttgccagtgt 420
nagccagctt gtcaaaactt aaattaacac agggattcta agtcagcaac ggcctcagac 480
tcgagtatga cagcacagtt t                                     501

```

<210> 1658

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 441

<223> n = A,T,C or G

<400> 1658

```

cctacagact tattttcttct tggacacacc cacgggtgagg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgaagc agccctctat gggcccgaa 120
cttcttcagt cgctccagggt cttcacggag cttgttgctc agaccattgg ctaggacctg 180
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcggtga ttctgcataa tggatgatcac acgttccacc tcatcctcag tgagttctcc 300
cgccctcttg gtgagggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtgat tggcaaaggc tattttccgc cgcccatcga tgttggtgtt 420
gagtactcgc aaaatatgct ngaacttttc agggat                                     456

```

<210> 1659

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 13, 16, 31, 50, 61, 106, 276, 366, 400, 413, 433

<223> n = A,T,C or G

<400> 1659

```

aaaccctttt ctnctnccat tttgacattt ncacttggag aacacttgan ttgtgaaggt 60
nttgggcac caccocagaa agtgggaatt tgattttatc cttccnaact ggaagaacat 120
ttttatgaag aatttttgtc taggagaata taacagtgtt acccaagggt gtgtctttta 180
gggtggttca ttttctctgg ctttttgcta ctcaaagtaa agtactagga gtcctaagaa 240
atgttctgtt cttgtacatt atactgatta agtcangatt aatttgattt caaagctgag 300
aacagtggta aaaactcgtt tacagaaatg ctttttgtaa gagaaaaata ctgtaaaacy 360
tgtcgngaag gtttcttcag tttcttggtc agccaatgan gaaagggcat tgnctttctt 420
tttaccatta atnacttctc aataaacgtg agatcctgtt gagcataaaa aaaaaa      476

```

<210> 1660

<211> 116

<212> DNA

<213> Homo sapiens

<400> 1660

caggtaaaaa atgactgttc aggagtgttc aagtagggtc agatgaccag tgattgggaa 60
tacttcgtaa gcaggagcaa gtaagatctg agccactgtt ctatcggtag ggtgtc 116

<210> 1661

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1661

aaagataact cagcatgttt gtaaagcagg atacatttta ctaaaagggtt cattggttcc 60
aatcacagct cataggtaga gcaaagaaag ggtggatgga ttgaaaagat tagcctctgt 120
ctcgggtggca gggtccacc tcgcaagcaa ttggaaacaa aacttttggg gagttttatt 180
ttgcattagg gtgtgtttta tgttaagcaa aacatacttt agaaacaaat gaaaaaggca 240
attgaaaatc ccagctatct cacctagatg gaatagccac cctgagcaga actttgtgat 300
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<210> 1662

<211> 364

<212> DNA

<213> Homo sapiens

<400> 1662

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<210> 1663

<211> 5265

<212> DNA

<213> Homo sapiens

<400> 1663

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<210> 1666

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1666

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<210> 1667

<211> 3149

<212> DNA

<213> Homo sapiens

<400> 1667

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<210>	1668
<211>	408
<212>	DNA


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<210> 1672

<211> 1256

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 683, 917

<223> n = A,T,C or G

<400> 1672

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```

<210> 1675

<211> 350

<212> DNA

<213> Homo sapiens

<400> 1675

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<210> 1676

<211> 523

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<222> 200

<223> n = A,T,C or G

<400> 1676

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<210> 1677

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1677

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<210> 1678

<211> 1275

<212> DNA

<213> Homo sapiens

<400> 1678

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<210> 1679

<211> 527

<212> DNA

<213> Homo sapiens

<400> 1679

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<210> 1680

<211> 2642

<212> DNA
<213> Homo sapiens

<400> 1680

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<210> 1681
<211> 444
<212> DNA
<213> Homo sapiens

<400> 1681

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<210> 1682

<211> 1513

<212> DNA

<213> Homo sapiens

<400> 1682

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<210> 1683

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1683

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<210> 1684

<211> 2261

<212> DNA

<213> Homo sapiens

<400> 1684

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 <211> 370
 <212> DNA
 <213> Homo sapiens

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<210> 1686
 <211> 2866
 <212> DNA
 <213> Homo sapiens

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<210> 1687
<211> 402
<212> DNA
<213> Homo sapiens

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<210> 1688
<211> 4932
<212> DNA
<213> Homo sapiens

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<211> 985

<212> DNA

<213> Homo sapiens

<400> 1691

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<210> 1692

<211> 424

<212> DNA

<213> Homo sapiens

<400> 1692

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<210> 1693

<211> 2268

<212> DNA

<213> Homo sapiens

<400> 1693

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<210> 1694

<211> 384

<212> DNA

<213> Homo sapiens

<400> 1694

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<210> 1695

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 556

<223> n = A,T,C or G

<400> 1695

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<210> 1696

<211> 3100

<212> DNA
 <213> Homo sapiens

<400> 1696

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ctgggcagag cagaggggca gcgatagact ctggggatgg agcaggacgg ggacgggagg 2760
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gcgcgtgggt gtagctttgt gcatectctc ccagtggagc gatcacctgt gctccccc 2940
ccctttgtt tgccctgtg tggttggtca aggagggatg tgagggaat agggaccccc 3000

```

cgacttgccc tccctgcctca gtctttcccc caccctgtct cttccttgtc cttctctgga 3060
 aaatgccaaa atacacgatg tgaataaaag tacaacggct 3100

<210> 1697
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1697
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 gtctaagccg aagggtgaact tcttgatctg gatgaccagg tagtcaggga atgaggcaaa 120
 tctgtgtggtc ttgacagcta ctgacttggc ctgcagggcc gtgctccaga agtcatcgac 180
 ctgctcaggg gccccgtagg 200

<210> 1698
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 1698
 cctgacattc ctgccttctt atattaataa gamaaataaa acaaaatagt gttgaagtgt 60
 tggggcrgcg aaaatttttg gggggtggta tggagagaka atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gaacctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatrttg gggatgtag aagaaacatt tgcgtatag 240
 aatgattggt gatggcctgg atacggtttt gkatgaattg agaarctaaa tggataaagc 300
 agaaggagar aaacaggat aaagggtcta agaattggga ggacctagga yatctgatta 360
 gagagtgcct aaggagattc rgcatagtcc tggcagcaaa gattatttat ttacttcaag 420
 agttwagagt ggcagtttgg ggatagcacc aggagatatc ag 462

<210> 1699
 <211> 1752
 <212> DNA
 <213> Homo sapiens

<400> 1699
 ccgctccttc taggatctcc gcctgggttc gccgcctgc ctccactcct gcctctacca 60
 tgtccatcag ggtgacccag aagtoctaca aggtgtccac ctctggcccc cgggccttca 120
 gcagccgctc ctacacgagt gggcccgggt cccgcacacg ctctcagagc ttctcccag 180
 tgggcagcag caactttcgc ggtggcctgg ggcggcgcta tgggtggggcc agcggcatgg 240
 gaggcacac cgcagttacg gtcaaccaga gcctgctgag ccccttgctc ctggaggtgg 300
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 ccaagtggag cctcctgcag cagcagaaga cggctcgaag caacatggac aacatgttcg 480
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 atgagatcaa taagcgtaca gagatggaga acgaatttgt cctcatcaag aaggatgtgg 660
 atgaagctta catgaacaag gtagagctgg agtctcgcct ggaagggctg accgacgaga 720
 tcaacttcct caggcagcta tatgaagagg agatccggga gctgcagtcc cagatctcgg 780
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 ctgaggtcaa ggcacagtac gaggatattg ccaaccgcag ccgggctgag gctgagagca 900
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 gtggagagct ggccattaag gatgccaacg ccaagttgtc cgagctggag gccgcctgc 1140

```

agcggggccaa gcaggacatg gcgcggcagc tgcgtgagta ccaggagctg atgaacgtca 1200
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ggctggagtc tgggatgcag aacatgagta ttcatacgaa gaccaccagc ggctatgcag 1320
gtggtctgag ctcggcctat gggggcctca caagccccgg cctcagctac agcctgggct 1380
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tgcccaagtg aacagctgcg gcagccccct ccagcctacc cctcctgcgc tgccccagag 1560
cctgggaagg aggcgctat gcagggtagc actgggaaca ggagaccac ctgaggctca 1620
gccctagccc tcagcccacc tggggagttt actacctggg gacccccctt gcccatgcct 1680
ccagctacaa aacaattcaa ttgctttttt tttttggtcc aaaataaaac ctcagctagc 1740
ctgccaatg tc 1752

```

<210> 1700

<211> 228

<212> DNA

<213> Homo sapiens

<400> 1700

```

ctgcctgagg aagttgatct cgctcggtcag cccttcagc cgagactcca gctctacctt 60
gttcatgtaa gcttcatcca catccttctt gatgaggaca aattcgttct ccatctctgt 120
acgcttattg atctcatcct catacttggt cttgaagtcc tccaccagcc cctgcagtgt 180
gccaaagctcc gctccagct tcagcttctc ctggcccaga gtctccag 228

```

<210> 1701

<211> 515

<212> DNA

<213> Homo sapiens

<400> 1701

```

ggcacgagga gctggcctcc ggggcaccga ccgctataag gccagtcgga ctgcgacaca 60
gcccatcccc togaccgctc gcgtcgcat tggccgcctc cctaccgctc caagcccagc 120
cctcagccat ggcattgcccc ctggatcagg ccattggcct cctcgtggcc atcttccaca 180
agtactccgg cagggagggt gacaagcaca ccctgagcaa gaaggagctg aaggagctga 240
tccagaagga gctcaccatt ggctcgaagc tgcaggatgc tgaaattgca aggctgatgg 300
aagacttgga ccggaacaag gaccaggagg tgaacttcca ggagtatgtc accttcctgg 360
gggccttggc tttgatctac aatgaagccc tcaagggtg aaaataaata gggaagatgg 420
agacaccctc tgggggtcct ctctgagtca aatccagtgg tgggtaattg tacaataaat 480
tttttttggg caaatttaaa aaaaaaaaaa aaaaa 515

```

<210> 1702

<211> 329

<212> DNA

<213> Homo sapiens

<400> 1702

```

ccatcttcca caagtaactc ggcagggagg gtgacaagca caccctgagc aagaaggagc 60
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caaggctgat ggaagacttg gaccggaaca aggaccagga ggtgaacttc caggagtatg 180
tcaccttctt gggggccttg gctttgatct acaatgaagc cctcaagggc tgaaaataaa 240
tagggaagat ggagacaccc tctgggggtc ctctctgagt caaatccagt ggtgggtaat 300
tgtacaataa atttttttt gtcaaattt 329

```

<210> 1703

<211> 1022

<212> DNA
<213> Homo sapiens

<400> 1703
cacccccacc tgccagagct gatcctccct aggccctgcc taaccttgag ttggccccca 60
atccctctgg ctgcagaagt ccccttacct ccaatgagag gaggggcagg accagatctt 120
ttgagagctg aggggttgagg gcattgagcc aacacacaga tttgtcgct ctgtccccga 180
agacacctgc accctccatg cggagccaag atggggaatg gaactgagga agattataac 240
tttgtcttca aggtggtgct gatcggcgaa tcaggtgtgg ggaagaccaa tctactctcc 300
cgattcacgc gcaatgagtt cagccacgac agccgcacca ccatcggggt tgagttctcc 360
accgcactg tgatgttggg caccgctgct gtcaaggctc agatctggga cacagctggc 420
ctggagcggg accgagccat cacctcgcg tactatcgtg gtgcagtggg ggccctcctg 480
gtgtttgacc taaccaagca ccagacctat gctgtgtgg agcgatggct gaaggagctc 540
tatgacctg ctgaagccac gatcgctgct atgctcgtg gtaacaaaag tgacctcagc 600
caggccccgg aagtgccac tgaggaggcc cgaatgttcg ctgaaaacaa tggactgctc 660
ttcctggaga cctcagccct ggactctacc aatgttgagc tagcctttga gactgtcctg 720
aaagaaatct ttgcgaaggt gtccaagcag agacagaaca gcatccggac caatgccatc 780
actctgggca gtgccaggc tggacaggag cctggccctg gggagaagag ggcctggttc 840
atcagcctct gaccttgcc agcaccacct gccccactg gcttttttgt gcccttgtc 900
cccacttcag cccaggacc tttccttgcc ctttggttcc agatatcaga ctgttccctg 960
ttcacagcac cctcagggtc ttaaggtctt catgccctat cacaataacc tcttttatct 1020
gt 1022

<210> 1704
<211> 439
<212> DNA
<213> Homo sapiens

<400> 1704
ctgaggaaga ttataacttt gtcttcaagg gtactatcgt ggtgcagtgg gggccctcct 60
ggtgtttgac ctaaccaagc accagaccta tgctgtgttg gagcgatggc tgaaggagct 120
ctatgaccat gotgaagcca cgatcgctgt catgctcgtg ggtaacaaaa gtgacctcag 180
ccaggcccgga aggtgcccc ctgaggaggc ccgaatgttc gctgaaaaca atggactgct 240
cttcccgag acctcagccc tggactctac caatgttgag ctagcctttg agactgtcct 300
gaaagaaatc tttgcgaagg tgtccaagca gagacagaac agcatccgga ccaatgccat 360
cactctgggc agtgcccagg ctggacagga gcctggccct ggggagaaga ggcctggtg 420
catcagcctm tgaccttg 439

<210> 1705
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 224, 258, 294, 296, 304
<223> n = A,T,C or G

<400> 1705
tcaaaacctc actattttaat ggagtgcctt tgtctctact tgaattgcgt tttttccttg 60
agaccagtg aagggaatcc cccatcccag ggtgtttttc tttccgatct tttcccagca 120
ggaaccttta aaagcttcc cagtggaat gccttagggg tcctcccat tctgagacag 180
aaacatgggt gatctccct actctcctgc aatttatggc ttgntccaca catgagaaat 240
gactcacatt tcctttgngc agtcagcaac agatttatgc atttccctt ttgntntcat 300

cctnttatct tgacttcca

319

<210> 1706

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 207, 224, 229

<223> n = A,T,C or G

<400> 1706

```
tcaaaacctc actatattaat ggagtgcctt tgtctctact tgaattgcgt tttttccttg 60
agaccagtg cagggaatcc cccatcccag ggtgtttttc tttccgatct tttcccagca 120
ggaaccttta aaagcttcct ccagtggaaat gccitagggg tctccatt tctgagacag 180
aaacatgggt gatctccctt actctcntgc aatttatggc ttgntccana catgagaaat 240
gactcacatt tcctttgggc agtcagcagc agatttatgc atttcccttt ttgttctcat 300
cctcttatct tgacttcc 318
```

<210> 1707

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 160, 210, 231, 240, 241, 252, 285

<223> n = A,T,C or G

<400> 1707

```
atggtgacat agtgggggat ggcgtggtcc aggccccgct cacacctgag agaggaaaac 60
caaagtcatt cttctcaaaa gcaaagtttt ggctaaaaga catctactta tctggaagtc 120
aagataagag gatgagaaca aaaagggaaa tgcataaatn tgctgctgac tgcccaaagg 180
aaatgtgagt catttctcat gtctggaacn agccatgaat tgcaggaaaa naagggaaan 240
naaccatggt tntgtctcag aaatgggagg acccctaagg cattncaactg gaggaagctt 300
ttaaagg 307
```

<210> 1708

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 210, 216, 441, 481

<223> n = A,T,C or G

<400> 1708

```
atcttgtaag gcaaattgatt agcacacggc aggcctcttcg tccgtttgca agttgctggt 60
tgtttccagc tacaccagtc agagctccac agagagggtg cgttcctggt tctcagggtg 120
gcagggtgcta tgggtgctggg cgctggaaag aatggggttg aattggccct cgccctccgt 180
tgtttgagac tctcgttaga aagggttan gaaaancaa ggaatggcag ccaccccatc 240
accatcgaga acaggcagac gtttcccagc taggggccaa agccactgga aaccgtgttc 300
```

```

cctgtgcagt ccgactgaca ctaccccatg cctgggggga atgagtataa aaagggaaat 360
gtttttgaag acaggcacga tatatactac tagagaatgc gcagtttcaa accacagttg 420
caggaggata taggaataac nacagggtgcc ggggactacg tacatcttgg atagtcgacg 480
ncgg                                           484

```

```

<210> 1709
<211> 1168
<212> DNA
<213> Homo sapiens

```

```

<400> 1709
ggccgggaga gtagcagtgc cttggacccc aggtgagctg gcctctcagg ctccatctgg 60
cctgagcacc ctgccccagc gaggctctcg gaaagagcct gtcaccccat ctgcacttgt 120
cctcatgagc cgctccaatg tccagccac agctgccct ggccagaagg tgatggagaa 180
tagcagtggg acacccgaca tcttaacgcg gcacttcaca attgatgact ttgagattgg 240
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tttcacgtg gcgctcaagg tctcttcaa gtcccagata gagaaggagg gcgtggagca 360
tcagctgcgc agagagatcg aaatccaggc ccacctgcac catcccaaca tctgcgtct 420
ctacaactat ttttatgacc ggaggaggat ctacttgatt ctagagtatg cccccgcgg 480
ggagctctac aaggagctgc agaagagctg cacatttgac gagcagcgaa cagccacgat 540
catggaggag ttggcagatg ctctaattga ctgccatggg aagaaggatga ttcacagaga 600
cataaagcca gaaaatctgc tcttagggct caagggagag ctgaagattg ctgacttcgg 660
ctgggtctgt catgcgccct cctgaggag gaagacaatg tgtggcacc tggactacct 720
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agtgttttg tatgagctgc tgggtgggaa cccaccctt gagagtgcac cacacaacga 840
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ccaggacctc atctccaaac tgctcaggca taaccctcg gaacggctgc cctggccca 960
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tatgtatagg ggaaagaagg gatccctaac tgttccctta tctgtaatct acctcctct 1140
ttgtttaata aaggctgaag ctttttgt                                           1168

```

```

<210> 1710
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 286, 304, 310, 317
<223> n = A,T,C or G

```

```

<400> 1710
tgccatggga agaaggtgat tcacagagac ataaagccag aaaatctgct cttagggctc 60
aaggagagag tgaagattgc tgacttcggc tgggtctgtc atgcgcctc cctgaggagg 120
aagacaatgt gtggcaccct ggactacctg cccccagaga tgattgaggg gcgcatgcac 180
agtgagaagg ttgatctgtg gtgcattgga gtgctttgct atgagctgct ggtggggaac 240
ccaccctttg agagtgcac acacaacgag acctatcgcc gcactntcaa ggtggacct 300
aagntcccn cttccnggcc catgggagcc caggacctca tctccaaact gctcaggcat 360
aaccctggg aacggctgcc cctggcccag gtctcagccc acccttgggt ccgggccaac 420
tctc                                           424

```

```

<210> 1711
<211> 2302

```

<212> DNA
<213> Homo sapiens

<400> 1711

```

gtgactgtgg agtttgaatt ggggtggcggg tgactgtaga gccgctctct ctcaactggca 60
cagcgagggt ttgctcagcc cttgtctcgg gaccgcagcc tccgcccagc gccatggctc 120
ctaggaaggg cagtagtcgg gtggccaaga ccaactcctt acggaggcgg aagctcgcct 180
cctttctgaa agacttcgac cgtgaagtgg aaatacgaat caagcaaatt gagtccagaca 240
ggcagaacct cctcaaggag gtggataacc tctacaacat cgagatcctg cggctcccca 300
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tggaagaggc ggcaacagct gacctggata tcaccgaaat aaacaaacta acagcagaag 420
ctattcagac acccctgaaa tctgccaaaa cacgaaaggt aatacaggta gatgaaatga 480
tagtggaaga ggaagaagaa gaagaaaatg aacgtaagaa tcttcaaact gcaagagtca 540
aaagggtgtc tccatccaag aagagaactc agtccatata aggaaaagga aaagggaaaa 600
ggtcaagccg tgctaacact gttaccccag ccgtgggccg attggagggtg tccatggtca 660
aaccaactcc aggcctgaca cccaggtttg actcaagggt cttcaagacc cctggcctgc 720
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ggtggcctca tccatgtgt gccagcctct ctgcctgga gaatcatgtg ctatgttcta 2040
agttaggtcc tcattctcca ctcatcccca ggcttgaagg cacatggctt tctcatgtag 2100
agaatttgag aactagagtc attattttgc aacaagacca ttttagtaaa acagtccctg 2160
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tcaagttgta ttcttttaag ttcttttatt ttctaatacag agctggtacc tactttcaat 2280
ttctgagtaa tgggtatctt ct
aaattctggg tttgtgtttt ct

```

<210> 1712
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 329
<223> n = A,T,C or G

```
<210> 1713
<211> 396
<212> DNA
<213> Homo sapiens
```

<400>	1713						
ttaaaaaagg	aacaacaaaa	aactagggtt	gtagaattat	aaaactgctt	caaccttaga	60	
accttaagta	ggaggccctc	aatggactt	acgttagtcc	ttagggagtc	aatgcgtgtg	120	
ttgctgctta	tttaaataca	gttcagtttg	agccccgaga	gtgccaatgt	tttccccaca	180	
cctcttggt	gccttctct	tcccaaaacc	cagaagaggt	gggcacctga	gcggggaatc	240	
tcaggtgact	tantttgcc	gtgcttactc	tattgaagaa	ctgggttttc	atgctcgaga	300	
agaaactcgt	ggaaggcggt	gtttcccatn	acaggtncac	atgctgattg	cttttgttga	360	
attncttgg	tcgcacttat	qccaaqnaat	tatgac			396	

```
<210> 1714
<211> 5791
<212> DNA
<213> Homo sapiens
```

<400> 1714						
gggaagagca	cacacaatga	agaccaagcc	agctgtgagg	tgctcaactgt	gaagaagaag	60
gcaggggccc	tgacctcaac	cccaaacagg	aactcatcca	agagacggtc	ctcccttccc	120
aatggggaag	ggctgcagct	gaaggagaac	tcggaatccg	aggggtgtttc	ctgccactat	180
tggctcgctgt	ttgacgggca	cgcggggtcc	ggggccgcgg	tgggtggcgtc	acgcctgctg	240
cagcaccaca	tcacggagca	gctgcaggac	atcgtggaca	tcctgaagaa	ctccgccgtc	300
ctgcccccta	cctgcctggg	ggaggagcct	gagaacacgc	ccgccaacag	ccggactctg	360
acccgggcag	cctccctgcg	cggaggggtg	ggggccccgg	gctccccccag	cacgcccccc	420
acacgctttc	ttaccgagaa	gaagattccc	catgagtgcc	tggtcatcgg	agcgcttgaa	480
agtgcattca	aggaaatgga	cctacagata	gaacgagaga	ggagttcata	taatatatct	540
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<210> 1715

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 343, 344, 346, 370

<223> n = A,T,C or G

<400> 1715

```

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gaggttttgt gaagtcagct gtgaccaccc tcctcttact gtgttctcag tattcattca 180
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tagtatgaaa acattagggg caaatctccc atgtctttga aanncngatt ctctcttga 360
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tcacaca

```

<210> 1716

<211> 2188

<212> DNA

<213> Homo sapiens

<400> 1716

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gccgcgtggg ggaaggcccg gttacttcct ccagagactg acgagtgcgg tgcgctcca 60
gtcagagct cccggagccg cccggccagc gtccggcctc cctgacgctc tctggccggc 120
gccctcgccc tcgcccggcg cgcaccgagc agccgcgggc gccgagcagc caccgtcccc 180

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```

accaaagcgcc ggccctgccc gcagcggcag gatgaatgat ttcggaatca agaatatgga 240
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2188

```

<210> 1717

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 239, 288, 381

<223> n = A,T,C or G

<400> 1717

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tgcattccat agggcgccctg ctctgtgcc aaacctaatg tattgctgtt aatccaatga 120
ggaacggagg tgaggtgtga attttcttca tattgatctt ctgtcttttc ttgggtttct 180
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agaaagcggt ccttgccaag gttacacagc atctggccat tcatgccnaa cctctgcaga 300
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397

```

<210> 1718
 <211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 29, 215, 242, 257
 <223> n = A,T,C or G

<400> 1718
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 anaaagcggt ccttgcnagg gttacacagc atctggccat tcatgct 287

<210> 1719
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 1719
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 aaagaattcc agaagattgc catggcaaca gcaataggat ttgctataat gggattcatt 240
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 ctacagaat acaaatttgc ctgtatgttt tgtgggtttt tttttttcct ttcaagatgt 420
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 aa 482

<210> 1720
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 327, 342, 384
 <223> n = A,T,C or G

<400> 1720
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 catttttaggt gtcggttggg taggcagtcg tggatcaggt aatgcagttt gttgagccaa 120
 gtcggcagtt tgtaaaggac tccattcggc tggttaaaag atgcactaaa cctgatagaa 180
 aagaattcca gaagattgcc atggcaagag caataggatt tgctataatg ggattcattg 240
 gcttctttgt gaaattgatc catattccta ttaataacat cattgttggg ggctgaatac 300
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 tcacagaata caaatttgcc tgtntgtttt gtggg 395

<210> 1721
 <211> 4497

<212> DNA
 <213> Homo sapiens

<400> 1721

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ctgcagcctt gaactcctgg gttcaactga aggtcctcct acctcagcct gctgagtagc 60
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<210> 1722

<211> 381

<212> DNA

<213> Homo sapiens

<400> 1722

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ccccaacctg accacctcat t

```

381

<210> 1723

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 264, 294, 400, 443, 450, 451, 467, 477

<223> n = A,T,C or G

<400> 1723

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cctcaaaaat atttacaatg aagtaaatac actaacagaa tttaaaacag gcacaaaata 60
ttgaaatgac caacgttaca tgatttcaag ggttgcctt tctgtgcttt tatctgtcac 120
gacaggaagg tgtggaaagt ttatatcctt aatttgacta ctcttgata ttaaaatctt 180

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tctattaatt aaaaagactt ttagacaacc tcttaaattg aattacacta tggaaaacag 240
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cttttctggc tgacaatatt tattcatgaa aacatatcan ctgtctacct tttatatgca 420
aaccaagtcc tgaggttaac tangggctgn ngcaaactaa catttangat gcaaacnttc 480
ttggatttgt gatg 494

```

<210> 1724

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 414, 421, 473

<223> n = A,T,C or G

<400> 1724

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cgacgtcgac tatccaagat gtacaaaaaa gaactacttg tattctagaa gaaatatgaa 60
atgcttaatt tataagcggg ctggagattt tttccaatat tgttttcttt gaaaatgaaa 120
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naggtaatgc atattttttt aagctttggt gtatatattt ttttcattta ganttattgg 480
gaatggtttt caaagaac 498

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<210> 1725

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 119, 147, 164, 212, 266, 362, 363, 382

<223> n = A,T,C or G

<400> 1725

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```

<210> 1726

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 215

<223> n = A,T,C or G

<400> 1726

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acatgagcta atgataaaaag acttttttcat gttaaatgtct ccaagttctt cttttttacat 120
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<210> 1727

<211> 2348

<212> DNA

<213> Homo sapiens

<400> 1727

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<210> 1728

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 238, 251, 318, 340, 358, 366, 372, 383

<223> n = A,T,C or G

<400> 1728

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<210> 1729

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 182, 269, 289, 291

<223> n = A,T,C or G

<400> 1729

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<210> 1730

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 273, 363, 374, 390, 413

<223> n = A,T,C or G

<400> 1730

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<210> 1731

<211> 5264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2497

<223> n = A,T,C or G

<400> 1731

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5264

<210> 1732

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 250, 317, 344

<223> n = A,T,C or G

<400> 1732

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acctacttca catggttggt gtgaggcttg aataagaata cacgaaaagc acttaagatt 180
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tagagcttan tgctaccttg gacagagggg tcctgacatt ctcattattcc cageccctg 300
ggccactctc agcttgnggt attcccagca gcagtctcca tcanagaaga tggctagtga 360
tgccctccctt ttctagaaaa aacaaaacct ggccaggcac gg 402
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<210> 1733

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 217, 291

<223> n = A,T,C or G

<400> 1733

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gataggaggt taaagcagtt gggagtccat acacagneta cccaacttcc tgagaactct 240
tagagaggaa aaggcatcct taggcatacct tcctgtgaag attgcctatt ncgtgatcac 300
gctgagaaga tgggaact 318
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<210> 1734

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 341, 413

<223> n = A,T,C or G

<400> 1734

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gatctatgga tggctgtgtc tacagtcaca aggtaaaata ctcttcagc tgggttacaa 120
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<210> 1735

<211> 415

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 173, 265, 295, 314, 324, 413, 414, 415

 $\langle 223 \rangle_n = A, T, C \text{ or } G$

<400> 1735

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<210> 1736

<211> 439

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 168, ⁻205, 211, 309, 393, 422

<223> n = A, T, C or G

<400> 1736

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tatccttcac	atctttttga	gaaactttat	aanacaatgg	gggtgaatgg	gggctgggca	420
gntggagtct	ctgagcaga					439

<210> 1737

<211> 361

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 160, 162, 230, 277, 300, 322, 347

<223> n = A,T,C or G

<400> 1737

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caccatcac atggaacatc ccatcaccoc tcacatntta ccogtcacat ggaacatccn 300
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c 361
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<210> 1738

<211> 3132

<212> DNA

<213> Homo sapiens

<400> 1738

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<210> 1739

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1739

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acaaaaggtc accaaagtta acataaaaaa ccaatatatc ctggccaaca tgctgctttc 60
ccttttcttc ttgtggtcct aatatcaatt tcccagtaga aaaaaagggg gtatccaatg 120
tcttgatatac ctccaactca ccatgcttaa caaaaaattg atatgtatct tgtggcctta 180
caagatccat gagaataatc tctcttgttt ctgggt 216

```

<210> 1740

<211> 3302

<212> DNA

<213> Homo sapiens

<400> 1740

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cggcatcctg tgctgtgggg gctacgagga aagatctaata tatcatggac ctgcgacagt 60
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gggaggagta taaaaatgcc acctacggct acgtttttaga tgatccagat cctgatgatg 480
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gaatgctagc tctcttgaat ttggatattg gttatttttt atagagtgt aaccaagttt 3240
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aa 3302

```

```

<210> 1741
<211> 316
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> 13, 22, 237, 298
<223> n = A,T,C or G

```

```

<400> 1741
caaaggctgg ggngaagtta cnttatacct ggctttttac cataccaggg agcccacctc 60
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accacctgaa tgtattatcc acaaagatat agcaataata aaggttatat atacatatat 180
ttatcttggg aacctgaggg ctaaaaacgt ggaatacgat aattcttctc aagaggncca 240
tctgtaagaa agggacccaa aaggacagcg tttgtgttgc ataaaaatat ggtaaagngg 300
agttgggaac aaaggg 316

```

<210> 1742
 <211> 400
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 198, 200, 203, 305, 328, 329, 356, 374
 <223> n = A,T,C or G

<400> 1742
 agacaggcag gctcccagtg tgagaagtgc ctttaggaca agtagaactg cacacataga 60
 tgcaaagtgc tgggcctttc ttcagggttct gtcatagaac agactgcctg aggccatgct 120
 caggactgcg ggctcagaa acccagcact tgcccctgct ctgtctttct gctcccagca 180
 gctgaattct agggaaangn cnttccgtca cccaccccg agacagacct gccaaagcttc 240
 tggcttttcag attctctgcc acatgactga ggtcccatca gcccttttcc ccaatatgag 300
 aatancctgt tccagccctc cacgtgcnnc agggcatggg gatcagctgg aaaggntgct 360
 acacctgtat gctntcctgc tccctaaacc tgcctcagaa 400

<210> 1743
 <211> 842
 <212> DNA
 <213> Homo sapiens

<400> 1743
 ttcacttctg atgaggaagc ctctctcctt agccttcagc ctttcctccc accctgccat 60
 aagtaatttg atcctcaaga agttaaacca cacctcattg gtccctggct aattcaccaa 120
 tttacaaaca gcaggaaata gaaacttaag agaaatacac acttctgaga aactgaaacg 180
 acaggggaaa ggaggtctca ctgagcaccg tcccagcatc cggacaccac agcgggccctt 240
 cgtccacgc agaaaaccac acttctcaaa ccttcactca acacttcctt ccccaaagcc 300
 agaagatgca caaggaggaa catgaggtgg ctgtgctggg ggcaccccc agcaccatcc 360
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 ggtccctgtt caacaccctc ttcttgaact ggtgctgtct gggcttcata gcattcgctt 480
 actccgtgaa gtctagggac aggaagatgg ttggcgacgt gaccggggcc caggcctatg 540
 cctccaccgc caagtgcctg aacatctggg ccctgattct gggcatcctc atgaccattg 600
 gattcatcct gtcactggta ttcggtctctg tgacagtcta ccatattatg ttacagataa 660
 tacaggaaaa acgggggttac tagtagccgc ccatagcctg caacctttgc actccactgt 720
 gcaatgctgg ccctgcacgc tggggctgtt gccctgccc ccttggtcct gcccttagat 780
 acagcagttt ataccacac acctgtctac agtgtcattc aataaagtgc acgtgcttgt 840
 ga 842

<210> 1744
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 66, 71, 92, 99, 157, 171, 183, 218, 273, 290
 <223> n = A,T,C or G

<400> 1744
 cacttgctcaa accttcactc aacacttgct tcnaaagcc agaagatgca caaggaggaa 60

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<210> 1745
<211> 1898
<212> DNA
<213> Homo sapiens
```

```
<210> 1746
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 49, 151, 178, 180, 275
<223> n = A,T,C or G
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<400> 1746
 tggaatgttg gctggcatga ttgtgctttg ctttgagtcc acctttgtng ttgcaatcaa 60
 tgaagtaaac aggaaatagt ccagtgtttt atttaggggc taaaaaatca ccaccaacat 120
 ggcctggggg tgaaaagcct catcccatta nggtttacgc cagaaagtgt gaatctgnan 180
 cttggttaat aacaaccaac ttctctgatt ggtgggctgc tgttgttact gtggcctctg 240
 aatgaagcca tgagacctta ttatTTTTTT acctn 275

<210> 1747
 <211> 368
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 223, 323
 <223> n = A,T,C or G

<400> 1747
 tcccaggcgg tcccacagaa cagcagtgcc tcccgaatt cttcactaca gacctgctac 60
 cgccttcagc atgctaattg tgcattggtg ggtggctcag agacctggca cagctctgct 120
 cacctttcca acaacatcat acccagcact tcacaaaata tcatagagaa acccttttac 180
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 agaagtccg tccatgtttt tgnacaaaag gaacatcctt tttgacatac atagcctatt 360
 aaaaaaat 368

<210> 1748
 <211> 767
 <212> DNA
 <213> Homo sapiens

<400> 1748
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 ctgatgttcc tgtctctgag ccaaggccag gagtcccaga cagagctgcc taatccccga 180
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 cctgagacct gggttgatgc agatctctat tgccagaaca tgaattcagg caacctggtg 300
 tctgtgctca cccaggcggg ggggtgccttc gtggcctcac tgattaagga gagtagcact 360
 gatgacagca atgtctggat tggcctccat gacccaaaaa agaaccgccg ctggcactgg 420
 agtagtgggt ccctgggtctc ctacaagtcc tgggacactg gatccccgag cagtgcctaat 480
 gctggctact gtgcaagcct gacttcatgc tcaggattca agaatggaa ggatgaatct 540
 tgtgagaaga agttctcctt tgtttgcaag ttcaaaaact agaggaagct gaaaaatgga 600
 tgtctagaac tggctctgca attactatga agtcaaaaat taaactagac tatgtctcca 660
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 ctgtctcagt ctctagagcc ctgaaaaata aaaacaaact tattttt 767

<210> 1749
 <211> 595
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 317, 530, 534, 552, 571, 582, 591

<223> n = A,T,C or G

<400> 1749

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gcccttaccg acgtcgacta tccaagatgt acgcggggga tataaagctc ctacagccac 60
ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
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gatgacttca atgtctggat tggcctccat gaccccaaaa agaaccggcg ctggcactgg 480
agcagtgggt ccctggcttc ctacaagtcc tggggcattg gagccccaan cagngttaat 540
cctggctact gngtgagcct gacctcaagc ncaggattcc anaaatggaa ngatg 595

```

<210> 1750

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 204, 221, 237, 254, 259, 287, 370, 406, 411, 415, 507, 521

<223> n = A,T,C or G

<400> 1750

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gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
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attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttctttctca caanattcat ccttccattt nttgaatcct gagcatnaag 240
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accctccgcc tgggtgagca cagacaccag gttgcctgaa ttcattgttct ggcaatagag 480
atctagcatc aaccaggtc tcagggnctt cattaaagta ntagcagtag gagcgatagg 540
cattgg 546

```

<210> 1751

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 369, 406, 415, 433, 450, 460, 464

<223> n = A,T,C or G

<400> 1751

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gcccttaccg acgtcgacta tncaagatgt actggagatc agcgatgcaa actcattagg 60
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aattgcagga ccagttctag acatocattt ttcagcttcc tctagttttt gaacttgcaa 180
acaaaggaga acttcttctc acaagattca tccttccatt tcttgaatcc tgagcatgga 240
gtcaggcttg cacagtagcc agcattagca ctgctcgggg atccagtgtc ccaggacttg 300
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<400> 1754
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 ttgtggctc actgatgaag gagagtggca ctgatgactt caatgtctgg attggcctcc 420
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<210> 1755

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 353, 413, 469, 473

<223> n = A,T,C or G

<400> 1755
 gcccttaccg acgtcgacta tncaagatgt acgcggggga agccaactca gactcagcca 60
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 accccaaaaa gaaccgcccgc tggcactgga gcagtgggtc cctggctcnc tanaagtact 480
 ggggcattgg agccccaa 498

<210> 1756

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 377, 467, 469, 576

<223> n = A,T,C or G

<400> 1756
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 gctgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
 tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gaggcccaga 180
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 tgaattcagg caacctgggtg tctgtgctca cccatgcgga ggggtgccttc gtggcctcac 360
 tgattaagga gagtagnact gatgacagca atgtctggat tggcctccat gacccaaaaa 420
 agaaccgccc ctggcactgg agtagtgggt ccctgggtctc ctacaantnc tgggacactg 480
 gatccccgag cagtgtcaat gctggctact gtgcaagcct gacttcatgc tcaggattca 540
 agaaatggaa ggatgaatct tgtgagaaga attctncttt gtttgcaagt tcc 593

<210> 1757

<211> 123
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 34, 45, 54, 75, 100
 <223> n = A,T,C or G

<400> 1757
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 caggaccagt tctanacatc catttttcaa ctccctctan tttttgaact tgcaaacaaa 120
 gga 123

<210> 1758
 <211> 331
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 285, 305
 <223> n = A,T,C or G

<400> 1758
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 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga ctccatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaaggagaa cttctttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccantgtcc caggacttgt 300
 agganaccag ggaccacta ctccagtgcc a 331

<210> 1759
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 476, 534, 536, 569, 613, 630
 <223> n = A,T,C or G

<400> 1759
 gcccttaccg acgtcgacta tccaagatgt acgcggggga tataaagctc ctacagctac 60
 ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
 agagattcat tgcagctcag catggtcag accagctcat acttcatgct gatctcctgc 180
 ctgatgtttc tgtctcagag ccaaggccaa gaggcccaga cagagttgcc ccaggcccgg 240
 atcagctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatggagac 300
 cgtgagacct gggttgatgc agatctctat tgccagaaca tgaattcggg caacctggtg 360
 tctgtgctca cccaggccga gggtgccttt gtggcctcac tgattaagga gagtggcact 420
 gatgacttca atgtctggat tggcctccat gaccccaaaa agaaccgccg ctggcncctg 480
 agcagtgggt ccctggtctc ctacaagtcc tggggcattg gagccccaag cagngntaat 540
 cctggctact gtgtgagcct gacatcaanc acagggattc cagaaatgga aagatgtgcc 600
 ttgtgaagac aanaactcct ttgtctgcan gttcaaaaac ta 642

<210> 1760
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 339, 438, 439
 <223> n = A,T,C or G

<400> 1760
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggaccacta ctccagtgcc agcgggggnt cttttttggg tcatggaggc 360
 caatccaaac attgctgtca tcagtgtac tctccttaat caagggaggg cacgaaggca 420
 cctccgcct gggtgagnnc agacaccaag ttgcctgaat tcatgttctg g 471

<210> 1761
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 25, 190, 415, 422, 444
 <223> n = A,T,C or G

<400> 1761
 gcccttaccg acgtcgacta tccangatgt acgcggggga gaagccaact cagactcagc 60
 caacagagat tgttgatttg cctcttaagc aagagattca ttgcagctca gcatggctca 120
 gaccagctca tacttcatgc tgatctcctg cctgatgttt ctgtctcaga gccaaaggcca 180
 agaggccan acagagttgc cccaggcccg gatcagctgc ccagaaggca ccaatgccta 240
 tcgtccctac tgctactact ttaatgaaga ccgtgagacc tgggttgatg cagatctcta 300
 ttgccagaac atgaattcgg gcaacctggt gtctgtgtct acccacgccg aggggtgcctt 360
 tgtggcctca ctgattaagg agagaggcac tgatgacttc aatgtctgga ttggnctcca 420
 tnaccccaaa aagaaccgcc gctngcactg gagcagtggg t 461

<210> 1762
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 336, 372
 <223> n = A,T,C or G

<400> 1762
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120

```

attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caggattcat ccttccattt cttgaatcct tttttgggtc 240
atggaggcca atccagacat tgctgtcacc agtgctactc tccttaatca gtgaggccac 300
gaaggcacc tccgcctggg tgagcacaga caccangttg cctgaattca tgttctggca 360
atagagatct gnatcaaccc aggtct 386

```

<210> 1763

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 267

<223> n = A,T,C or G

<400> 1763

```

gcccttaccg acgtcgacta tncaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattancac tgctcgggga tccagtgtcc caagacttgt 300
aggagaccag ggaccacta ctccagtgcc agg 333

```

<210> 1764

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 404, 409, 475, 477

<223> n = A,T,C or G

<400> 1764

```

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggaccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccagac attgctgtca tcagtgtac tctccttaat cagngaggnc acgaaggcac 420
cctccgctgg gtgagcacag acaccaggtt gcctgaattc atgttctggc aatananac 480
tgcacaaacc ca 492

```

<210> 1765

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 205, 381, 388

<223> n = A,T,C or G

```
<210> 1766
<211> 494
<212> DNA
<213> Homo sapiens
```

<400> 1766						
gcccttaccg	acgtcgacta	tccaagatgt	actgaagatc	agcgatgcaa	actcattagg	60
gaggagatgg	tctgaactga	gttggagaca	tagtctagtt	taatttttga	cttcatagta	120
attgcaggac	cagttctaga	catccatttt	tcagcttctt	ctagtttttg	aacttgcaaa	180
caaaggagaa	cttctttctc	caagattcat	ccttccattt	cttgaatcct	gagcatgaag	240
tcaggcttgc	acagtagcca	gcatttagcac	tgctcgggga	tccagtgtcc	caggacttgt	300
aggagaccag	ggacccta	ctccagtgcc	agcggcggtt	cttttttggg	tcattggaggc	360
caatccanac	attgctgtca	tcagtgtctac	tctccttaat	cagtgaggcc	acgaaggcac	420
cctccgnectg	ggtgagcaca	gacaccangg	tgcttgaatt	catgttctgg	caatagagat	480
ctgcattacc	cacg					494

```
<210> 1767
<211> 569
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 22, 409, 494, 515, 518, 527, 558, 559
<223> n = A,T,C or G
```

<400>	1767						
gcccttaccg	acgtcgacta	tncaagatgt	actgaagatc	agcgatgcaa	actcattagg	60	
gaggagatgg	tctgaactga	gttgagagaca	tagtctagtt	taatttttga	cttcatagta	120	
attgcaggac	cagttctaga	catccatttt	tcagcttcct	ctagtttttg	gacttgcaaa	180	
caaaggagaa	cttcttctca	caagattcat	ccttccattt	cttgaatcct	gagcatgaag	240	
tcaggcttgc	acagtagcca	gcatttagcac	tgctcgggga	tccagtgtcc	caggacttgt	300	
aggagaccag	ggaccacta	ctccagtgcc	agcggcggtt	cttttttggg	tcatggaggc	360	
caatccagac	attgtgttca	tcagtgtctc	tctccttaat	cagtgaaggnc	acgaaggcac	420	
cctccgcctg	ggtgagcaca	gacaccagg	tgcctgaatt	catgttctgg	caatagagat	480	
ctgcatcaac	ccangtctca	gggtcttcat	taaantanta	gcagtangag	cgataggcat	540	
tqgtgccttc	tgggcagnnt	gattccggg				569	

<210> 1768

<211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 347
 <223> n = A,T,C or G

<400> 1768
 gcccttaccg acgtcgacta tccaagatgt accgggggat ataaagctcc cacagccacc 60
 tggcctgaga agccaactca gactcagcca acagagattg ttgatttgcc tcttaagcaa 120
 gagattcatt gcagctcagc atggctcaga ccagctcata cticattgctg atctcctgcc 180
 tgatgtttct gtctcagagc caaggccaag aggccagac agagttgccc caggcccgga 240
 tcagctgccc agaaggcacc aatgcctatc gtcctactg ctactacttt aatgaagacc 300
 gtgagacctg ggttgatgca gatctctatt gccagaacat gaattcnggc aacctggtgt 360
 ctgtgctcac ccacgccgag ggtgcctttg tggctcactg attaaggaga g 411

<210> 1769
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 93, 106, 175
 <223> n = A,T,C or G

<400> 1769
 gcccttaccg acgtcgacta tccaanatgt acgggggacaa ggcacttacc aacagagatt 60
 gctgatttgc tcttaagca agagattcac tgnccgtaag catggnctag accaactcgt 120
 tcttcattgt gatctcccc ctgatgttcc tgtctctgag ccaaggccag gagtnccaga 180
 cagagctgcc taatcccc 198

<210> 1770
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 313, 342, 360, 379, 390
 <223> n = A,T,C or G

<400> 1770
 atgtcctgaa gatcagcgat gcaaaactcat tagggaggag atggtctgaa ctgagttgga 60
 gacatagtct agtttaattt ttgacttcac agtaattgca ggaccagttc tagacatcca 120
 tttttcagct tctctagtt ttgaacttg caaacaagg agaacttctt ctcacaagat 180
 tcattcctcc atttcttgaa tctgagcat gaagtcaggc ttgcacagta gccagcatta 240
 ncaactgctcg gggatccagt gtcccaggac ttgtaggaga ccagggaccc actactccag 300
 tgccagcggc ggntcttttt tgggtcatgg aggccaatcc anacattgct gtcattcagan 360
 gctactctcc ttaatcagng aggccacgan ggcaccctcc gctctg 406

<210> 1771

<211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 348, 353, 397, 469, 471, 504, 536
 <223> n = A,T,C or G

<400> 1771
 gcccttaccg acgtcgacta tccaagatgt acgcggggac aaggcactta ccaacagaga 60
 ttgctgattt gtccttaag caagagattc actgccgcta agtatggctc agaccaactc 120
 gttcttcatg ctgatctcct ccctgatgtt cctgtctctg agccaaggcc aggagtccca 180
 gacagagctg cctaattcccc gaatcagctg cccagaaggc accaatgcct atcgctccta 240
 ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
 catgaattca ggcaacctgg tgtctgtgct caccagggcg gagggtgnc tontggcctc 360
 actgattaag gagagtagcg ctgatgacag caatgtntgg attggcctcc atgacccaaa 420
 aaagaaccgc cgctggcact ggagtagtgg gtccctggtc tctacaant nctgggacac 480
 tggatccccg agcagtgccta atgntggcta ctgtgcaagc ctgacttcat gctcangatt 540
 caagaaatgg aaaggatgaa t 561

<210> 1772
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 204, 282, 333, 378
 <223> n = A,T,C or G

<400> 1772
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaggagaaa cttctttctca caanattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tncagtgtcc caggacttgt 300
 aggagaccag ggacccacta ctccagtgcc agnggcggtt cttttttggg tcatggaggc 360
 caatccacac attgctgnca tcagtgtctac t 391

<210> 1773
 <211> 563
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 396, 405, 468, 469, 499, 535, 552
 <223> n = A,T,C or G

<400> 1773
 gcccttaccg acgtcgacta tccaagatgt acgcggggaca aggcacttac caacagagat 60
 tgctgacttg ctccttaagc aagagattca ctgccgctaa gcatggctca gaccaactcg 120
 ttcttcatgc tgatctcctc cctgatgttc ctgtctctga gccaaaggcca ggagtcccag 180


```

acagagctgc ctaatccccg aatcagctgc ccagaaggca ccaatgccta tcgctcctac 240
tgctactact ttaatgaaga ccctgagacc tgggttgatg cagatctcta ttgccagaac 300
atgaattcag gcaacctggt gtctgtgctc acccaggcgg aggggtgectt cgtggcctca 360
ctgattaagg agagtagcac tgatgacagc aatgtntgga ttggntcca tgacccaaaa 420
aagaaccgcc gctggcactg gagtagtggg tccctggtct cctacaanna ctgggacact 480
ggatccccga gcagtgcctna tgctggctac tgtgcaagcc tgacttcctg ctcangattc 540
aagaaatgga angatgaatc ttg                                     563

```

<210> 1774

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 379, 448, 453, 494, 496

<223> n = A,T,C or G

<400> 1774

```

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
attgcaggac cagttctaga cgtccatttt tcagcttctt ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccaaac attgctgtna tcagtgtcac tctccttaat cagtgagacc acgaaggcac 420
cctccgctg ggtgagcaca gacaccangt tgnctgaatt catgttctgg caatagagat 480
ctgcatcaac ccangnctca ggttctt                                     507

```

<210> 1775

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 367

<223> n = A,T,C or G

<400> 1775

```

tnaggtgaca ctatagaata ctcaagctat gcatcaagct tggtagcgag ctcggatcca 60
ctagtaaccg ccgccagtgt gctggaattc gcccttaccg acgtcgacta tccaagatgt 120
tgctgtcatc agtgctactc tccttaatca gtgaggccac gaaggcacc tccgcctggg 180
tgagcacaga caccaggttg cctgaattca tgttctggca atagagatct gcatcaacca 240
ggtctcaggg tcttcattaa agtagtagca gtaggagcga taggcattgg tgccttctgg 300
gcagctgatt cggggattag gcagctctgt ctgggactcc tggccttggc tcagagacag 360
gaacatnagg gaggagatca gcatgaagaa cgagttggtc tgagccatgc ttag                                     414

```

<210> 1776

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 409, 413, 476, 478, 504, 525, 527
 <223> n = A,T,C or G

<400> 1776
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggaccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
 caatccacac attgctgtca tcagtgttac tctccttaat cagtgaggnc acnaaggcac 420
 cctccgcctg ggtgagcaca gacaccaggt tgctgaatt catgttctgg caatananat 480
 ctgcatcaac ccaggtctca gggnettcatt taaagtagta gcagnangag cgataggcat 540
 tgggtgccttc tgggca 556

<210> 1777
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 22, 35, 172, 181, 201, 205, 390, 396, 411, 470, 527, 537,
 544, 567, 577, 578
 <223> n = A,T,C or G

<400> 1777
 gcccttaccg acgtcgacta tngaagatgt acgcngggac aaggcactta ccaacagaga 60
 ttgctgattt gctccttaag caagagattc actgccgcta agcatggctc agaccaactc 120
 gttcttcatg ctgatctcct ccctgatgtt cctgtctctg agccaaggcc angagtccca 180
 nacagagctg cctaattccc naatnagctg cccagaaggc accaatgcct atcgctccta 240
 ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
 catgaattca ggcaacctgg tgtctgtgct caccagggc gaggggtgct tctgggctc 360
 actgattaag gagagtagca ctgatgacan caatgnctgg attggcctcc ntgacccaaa 420
 aaagaaccgc cgctggcact ggagtagtgg gtccctggtc tcctacaagn cctgggacac 480
 tggatccccg agcagttgct aatgctggct actgtgcaag cctgacntca tgcctangat 540
 tcangaaatg gaaaggatga atcttngag aagaagnnct ccttttgttg caag 594

<210> 1778
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 22, 335, 467, 469, 498, 546, 572, 577, 585
 <223> n = A,T,C or G

<400> 1778
 gcccttaccg acgtcgacta tncaagatgt acggggacaa ggcacttacc aacagagatt 60
 gctgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
 tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gactcccaga 180
 cagagctgcc taatccccga atcagctgcc cagaaggcac caatgcctat cgctcctact 240


```

gttcttcatg ctgatctcct ccctgatgtt cctgtctctg agccaaggcc aggagtccca 180
gacagagctg cctaataccc gaatcagctg cccagaaggc atcaatgcct atcgtctcta 240
ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
catgaattca ggcaacttgg tgtctgtgct caccagggcg gagggtgctt tcntggcctc 360
actgattaag gagagtagca ctgatgacag caatgtctgg attggnctcc atgacccaaa 420
aaagaaccgc cgctggcact ggagtantgg gtccctggtc tctacaaann ctgggacact 480
ggatcccagag cagtgctaatt gntggctact gtgcaannct gacttattgc tcangattcn 540
agaaatggaa ggatgaatnt t 561

```

<210> 1782

<211> 162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 15, 136

<223> n = A,T,C or G

<400> 1782

```

gcccttancg acgtngacta tccaagatgt acggggacaa ggcacttacc aacagagatt 60
gotgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
tcttcattgt gatctnctcc ctgatgttcc tgtctctgag cc 162

```

<210> 1783

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 27, 43, 65, 80, 97, 104, 111, 132

<223> n = A,T,C or G

<400> 1783

```

gcccttaccg acgtngacta tccaagncta ctgaagatca gcnatgcaaa ctcattaggg 60
agganatggt ctgaactgan ctggagacat agcctanatt aatntttgac ntcattaggaa 120
ttgcaggacc anttctagac atg 143

```

<210> 1784

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 234, 245, 346, 348, 375, 384, 414, 424, 435

<223> n = A,T,C or G

<400> 1784

```

gcccttaccg acgtngacta tccaagatgt acgcggggga tataaagctc ctacagctac 60
ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
ctgatgtttc tgtctcagag ccaaggccaa gaggccaga cagagttgcc ccangcccgg 240

```

```

atcanctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatgaatac 300
cgtgagacct gggttgatgc agatctctat tgccagaaca tgaatnngg caacctggtg 360
tctgtgctca cccangccga gggngccttt gtggcctcac tgattaagga gagnggcact 420
gatnacttca atgtntggat tggcctccat gacccccaaaa agaaccgccc tg 472

```

```

<210> 1785
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 240, 302, 368, 410, 442, 476
<223> n = A,T,C or G

```

```

<400> 1785
gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgggtgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcata 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaan 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
angagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccanac attgctgtca tcagtgtcac tctccttaat caagtgaggn cacgaaggca 420
ccctccgctt gggtgagcac anacaccagg ttgcctgaat tcatgttctg gcaatngaag 480
atttgcatac acccaggcct cagggtctt 509

```

```

<210> 1786
<211> 493
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 454
<223> n = A,T,C or G

```

```

<400> 1786
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tgattaagga gagtagcact gatgacagca atgtctggat tggctccatg acccaaaaaa 420
gaaccgcccg tggcactgga gtagtgggtc ctgntctcct acaaaaaactg ggacactggg 480
atccccgagc agt 493

```

```

<210> 1787
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> 15, 336, 339, 349

<223> n = A,T,C or G

<400> 1787

```
gccettaccg acgtngacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
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attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
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aggagaccaa ggaccacta ctccagtgcc agcggnggnt cttttttgng tcatggaggg 360
caatccagac attgctgtca tcagtgttac tctccttaat cagtgaaggcc acgaagcacc 420
ctcccctggg tgagcacaga caccaagttg cctgaattca tggtt 464
```

<210> 1788

<211> 2333

<212> DNA

<213> Homo sapiens

<400> 1788

```
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ctggggggaca gagaaggcgc ttcccactt catactggca ggagggtgag gaggttcaact 2040
gagctcccca gatctccac tgcgggggaga cagaagcctg gactctgccc cacgctgtgg 2100
```

```

ccctggaggg tcccggtttg tcagttcttg gtgctctgtg ttcccagagg caggcggagg 2160
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ctccaaggga ccctttgcct ttcttctgcc ctttcttagg cccaggcctg ggtttgtact 2280
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```

<210> 1789

<211> 551

<212> PRT

<213> Homo sapiens

<400> 1789

```

Asn Cys Leu Leu Arg Pro Lys Asn Lys Ser Val Arg Trp Gly Pro Gly
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Ala Gly Ala Ala Leu Leu Arg Pro Ser Pro Ala Ala Leu Gly Ala Gly
      20          25          30
Ser Arg Ala Cys Ser Val Pro Pro Ala Ala Pro Ala Gln Thr Pro Arg
      35          40          45
Pro Gln Val Ser Ala Pro Ala Trp Gly Pro Gly Arg Ala Ala Arg Gly
      50          55          60
Ser Gly Arg Met Glu Arg Arg Met Lys Ala Gly Tyr Leu Asp Gln Gln
65          70          75          80
Val Pro Tyr Thr Phe Ser Ser Lys Ser Pro Gly Asn Gly Ser Leu Arg
      85          90          95
Glu Ala Leu Ile Gly Pro Leu Gly Lys Leu Met Asp Pro Gly Ser Leu
      100          105          110
Pro Pro Leu Asp Ser Glu Asp Leu Phe Gln Asp Leu Ser His Phe Gln
      115          120          125
Glu Thr Trp Leu Ala Glu Ala Gln Val Pro Asp Ser Asp Glu Gln Phe
      130          135          140
Val Pro Asp Phe His Ser Glu Asn Leu Ala Phe His Ser Pro Thr Thr
145          150          155          160
Arg Ile Lys Lys Glu Pro Gln Ser Pro Arg Thr Asp Pro Ala Leu Ser
      165          170          175
Cys Ser Arg Lys Pro Pro Leu Pro Tyr His His Gly Glu Gln Cys Leu
      180          185          190
Tyr Ser Ser Ala Tyr Asp Pro Pro Arg Gln Ile Ala Ile Lys Ser Pro
      195          200          205
Ala Pro Gly Ala Leu Gly Gln Ser Pro Leu Gln Pro Phe Pro Arg Ala
      210          215          220
Glu Gln Arg Asn Phe Leu Arg Ser Ser Gly Thr Ser Gln Pro His Pro
225          230          235          240
Gly His Gly Tyr Leu Gly Glu His Ser Ser Val Phe Gln Gln Pro Leu
      245          250          255
Asp Ile Cys His Ser Phe Thr Ser Gln Gly Gly Gly Arg Glu Pro Leu
      260          265          270
Pro Ala Pro Tyr Gln His Gln Leu Ser Glu Pro Cys Pro Pro Tyr Pro
      275          280          285
Gln Gln Ser Phe Lys Gln Glu Tyr His Asp Pro Leu Tyr Glu Gln Ala
      290          295          300
Gly Gln Pro Ala Val Asp Gln Gly Gly Val Asn Gly His Arg Tyr Pro
305          310          315          320
Gly Ala Gly Val Val Ile Lys Gln Glu Gln Thr Asp Phe Ala Tyr Asp
      325          330          335
Ser Asp Val Thr Gly Cys Ala Ser Met Tyr Leu His Thr Glu Gly Phe

```

